**Table F-84 RESULT OF ANALYSIS ON YIELD COMPONENTS OF DRY SEASON PADDY AT MONITORING POINT NO. 4 IN ARIS**

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| (1) Monitoring Point No. 4 (Lateral D) | | | | | | | |
| I-1 | 6.7 | 208 | 55.4 | 11,500 | 14.8 | 17.5 | 0.30 |
| I-2 | 9.2 | 277 | 33.2 | 9,200 | 19.9 | 18.1 | 0.33 |
| I-3 | 8.3 | 180 | 34.4 | 6,200 | 18.6 | 17.0 | 0.20 |
| II-1 | 7.4 | 215 | 37.8 | 8,100 | 17.2 | 18.6 | 0.26 |
| II-2 | 4.1 | 144 | 73.2 | 10,500 | 7.3 | 19.1 | 0.15 |
| II-3 | 6.2 | 181 | 51.5 | 9,300 | 15.0 | 17.6 | 0.25 |
| III-1 | 7.1 | 199 | 46.9 | 9,300 | 13.2 | 17.2 | 0.21 |
| III-2 | 6.3 | 177 | 51.2 | 9,100 | 12.7 | 17.7 | 0.20 |
| III-3 | 9.0 | 225 | 62.9 | 14,200 | 10.2 | 17.4 | 0.25 |
| IV-1 | 9.9 | 247 | 49.6 | 12,300 | 18.9 | 18.5 | 0.43 |
| IV-2 | 9.1 | 254 | 65.7 | 16,700 | 13.4 | 16.9 | 0.38 |
| IV-3 | 8.4 | 210 | 52.1 | 10,900 | 19.4 | 18.0 | 0.38 |
| (2) Monitoring Point No. 4 (Don Moteo Ditch) | | | | | | | |
| I-1 | 14.0 | 279 | 83.1 | 23,200 | 45.9 | 22.3 | 2.4 |
| I-2 | 7.7 | 154 | 105.4 | 16,200 | 57.5 | 21.3 | 2.0 |
| I-3 | 20.6 | 392 | 85.3 | 33,400 | 65.3 | 22.7 | 5.0 |
| II-1 | 14.7 | 339 | 99.6 | 33,800 | 62.5 | 23.3 | 4.9 |
| II-2 | 15.2 | 303 | 79.7 | 24,100 | 63.0 | 22.5 | 3.4 |
| II-3 | 20.3 | 427 | 87.5 | 37,400 | 57.1 | 22.7 | 4.8 |
| III-1 | 16.0 | 353 | 96.7 | 34,100 | 59.3 | 22.0 | 4.5 |
| III-2 | 17.4 | 401 | 65.7 | 26,300 | 71.7 | 22.0 | 4.2 |
| III-3 | 20.1 | 462 | 85.0 | 39,300 | 61.6 | 22.0 | 5.3 |
| IV-1 | 19.3 | 444 | 96.9 | 43,000 | 63.6 | 22.4 | 6.1 |
| IV-2 | 25.5 | 611 | 71.4 | 43,600 | 67.9 | 22.5 | 5.7 |
| IV-3 | 19.6 | 470 | 83.4 | 39,200 | 64.7 | 22.4 | 5.7 |

**Table F-85 LIST OF DRY SEASON PADDY SAMPLES COLLECTED IN ARIS FOR YIELD ANALYSIS**

| Sample No. | Location | Variety | Harvesting Date |
|---|---|---|---|
| 1. | San Roque, San Manuel | IR 56 | June 5, 1984 |
| 2. | San Roque, San Manuel | Malagkit | June 15-20, 1984 |
| 3. | Narra, San Manuel | IR 36 | June 27, 1984 |
| 4. | Namangonan, San Manuel | IR 36 | June 28, 1984 |
| 5. | Narra, San Manuel | IR 32 | June 29, 1984 |
| 6. | Narra, San Manuel | IR 32 | June 29, 1984 |
| 7. | Narra, San Manuel | IR 42 | July 3, 1984 |
| 8. | Namangonan, San Manuel | IR 42 | July 4, 1984 |

**Table F-86 RESULT OF ANALYSIS OF YIELD COMPONENTS OF DRY SEASON PADDY IN ARIS (1/3)**

| Sample No. | No. of Panicles per Hill | No. of Panicles per $m^2$ | No. of Grains per Panicle | No. of Grains per $m^2$ | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 1 | | | | | | | |
| I-1 | 3.2 | 81 | 44.4 | 3,600 | 39.3 | 20.1 | 0.28 |
| I-2 | 7.5 | 194 | 34.8 | 6,800 | 66.2 | 21.6 | 0.97 |
| Average | 5.4 | 138 | 39.6 | 5,200 | 52.8 | 20.9 | 0.63 |
| II-1 | 11.8 | 272 | 52.5 | 14,300 | 72.8 | 21.9 | 2.3 |
| II-2 | 17.9 | 429 | 53.9 | 23,100 | 56.6 | 21.6 | 2.8 |
| II-3 | 20.1 | 422 | 46.6 | 19,700 | 75.4 | 21.4 | 3.2 |
| Average | 16.6 | 374 | 51.0 | 19,000 | 68.3 | 21.6 | 2.8 |

Table F-87 RESULT OF ANALYSIS ON YIELD COMPONENTS OF DRY SEASON PADDY IN ARIS (2/3)

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 2 | | | | | | | |
| I-1 | 11.6 | 349 | 66.5 | 23,400 | 3.1 | 23.0 | 0.17 |
| I-2 | 15.2 | 395 | 62.8 | 24,900 | 33.7 | 26.9 | 2.3 |
| I-3 | 15.1 | 392 | 69.1 | 27,000 | 50.6 | 28.5 | 3.9 |
| Average | 14.0 | 379 | 66.1 | 25,100 | 29.1 | 26.1 | 2.1 |
| II-1 | 13.4 | 401 | 59.3 | 23,700 | 45.4 | 28.6 | 3.1 |
| II-2 | 11.8 | 378 | 69.6 | 26,500 | 50.7 | 29.3 | 3.9 |
| II-3 | 14.0 | 407 | 81.3 | 33,000 | 61.2 | 28.8 | 5.8 |
| II-4 | 12.0 | 360 | 70.2 | 25,200 | 47.7 | 29.6 | 3.6 |
| II-5 | 12.1 | 363 | 66.4 | 24,000 | 51.4 | 27.6 | 3.4 |
| Average | 12.6 | 382 | 69.4 | 26,400 | 51.3 | 28.8 | 4.0 |
| Sampling Point No.3 | | | | | | | |
| I-1 | 14.5 | 376 | 48.0 | 18,000 | 39.8 | 20.6 | 1.5 |
| I-2 | 12.4 | 361 | 42.3 | 15,200 | 63.9 | 21.6 | 2.1 |
| I-3 | 12.6 | 314 | 32.0 | 10,000 | 58.4 | 21.9 | 1.3 |
| Average | 13.2 | 350 | 40.8 | 14,400 | 54.0 | 21.4 | 1.6 |
| II-1 | 17.5 | 543 | 48.9 | 26,600 | 65.5 | 23.6 | 4.1 |
| II-2 | 16.1 | 355 | 48.1 | 17,000 | 66.7 | 24.1 | 2.7 |
| II-3 | 18.5 | 443 | 40.9 | 18,200 | 62.7 | 23.1 | 2.6 |
| II-4 | 16.7 | 501 | 45.7 | 23,000 | 65.6 | 22.0 | 3.3 |
| Average | 17.2 | 461 | 45.9 | 21,200 | 65.1 | 23.2 | 3.2 |
| Sampling Point No. 4 | | | | | | | |
| I-1 | 16.4 | 427 | 26.8 | 11,500 | 48.0 | 21.3 | 1.2 |
| I-2 | 14.9 | 431 | 33.8 | 14,700 | 58.3 | 21.5 | 1.8 |
| I-3 | 17.6 | 475 | 36.6 | 17,600 | 39.8 | 21.4 | 1.5 |
| Average | 16.3 | 444 | 32.4 | 14,600 | 48.7 | 21.4 | 1.5 |
| II-1 | 17.0 | 476 | 34.8 | 16,700 | 68.3 | 22.9 | 2.6 |
| II-2 | 18.5 | 463 | 38.3 | 17,600 | 58.0 | 23.4 | 2.4 |
| II-3 | 18.7 | 431 | 35.7 | 15,500 | 62.3 | 23.1 | 2.2 |
| Average | 18.1 | 457 | 36.3 | 16,600 | 62.9 | 23.1 | 2.4 |
| III-1 | 16.3 | 359 | 37.3 | 13,300 | 58.2 | 22.8 | 1.8 |
| III-2 | 15.0 | 449 | 39.8 | 18,000 | 73.8 | 23.3 | 3.1 |
| Average | 15.7 | 404 | 38.6 | 15,600 | 66.0 | 23.1 | 2.5 |

Table F-88 RESULT OF ANALYSIS ON YIELD COMPONENTS OF DRY SEASON PADDY IN ARIS (3/3)

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 5 | | | | | | | |
| I-1 | 9.4 | 281 | 62.4 | 17,500 | 73.1 | 23.9 | 3.1 |
| I-2 | 12.3 | 345 | 34.0 | 11,700 | 69.1 | 22.8 | 1.8 |
| I-3 | 11.0 | 265 | 49.8 | 13,200 | 75.8 | 23.4 | 2.3 |
| I-4 | 10.7 | 341 | 39.0 | 13,300 | 82.3 | 24.3 | 2.7 |
| I-5 | 13.3 | 399 | 45.7 | 18,200 | 82.2 | 24.6 | 3.7 |
| Average | 11.3 | 326 | 46.2 | 14,800 | 76.5 | 23.8 | 2.7 |
| Sampling Point No. 6 | | | | | | | |
| I-1 | 8.5 | 206 | 52.1 | 10,700 | 58.0 | 23.4 | 1.5 |
| I-2 | 10.1 | 213 | 75.5 | 16,100 | 58.0 | 23.7 | 2.2 |
| I-3 | 9.9 | 257 | 84.8 | 21,800 | 80.3 | 24.6 | 4.3 |
| Average | 9.5 | 225 | 70.8 | 16,200 | 65.4 | 23.9 | 2.7 |
| Sampling Point No. 7 | | | | | | | |
| I-1 | 15.6 | 475 | 49.4 | 23,300 | 68.9 | 21.8 | 3.5 |
| I-2 | 11.7 | 363 | 36.1 | 13,100 | 72.6 | 22.3 | 2.1 |
| I-3 | 12.8 | 447 | 37.8 | 17,000 | 65.0 | 22.7 | 2.5 |
| Average | 13.4 | 428 | 41.1 | 17,800 | 68.8 | 22.3 | 2.7 |
| II-1 | 14.8 | 428 | 47.3 | 20,100 | 76.8 | 23.3 | 3.6 |
| II-2 | 15.1 | 484 | 43.9 | 21,300 | 62.7 | 23.4 | 3.1 |
| II-3 | 18.2 | 528 | 42.1 | 22,200 | 71.3 | 23.3 | 3.7 |
| Average | 16.0 | 480 | 44.4 | 21,200 | 70.3 | 23.3 | 3.5 |
| Sampling Point No. 8 | | | | | | | |
| I-1 | 14.2 | 368 | 54.3 | 19,900 | 48.3 | 21.3 | 2.0 |
| I-2 | 14.8 | 399 | 62.9 | 25,100 | 64.9 | 20.5 | 3.3 |
| I-3 | 17.7 | 371 | 64.4 | 23,700 | 79.9 | 21.2 | 4.0 |
| Average | 15.6 | 379 | 60.5 | 22,900 | 64.4 | 21.0 | 3.1 |
| II-1 | 17.4 | 417 | 71.7 | 30,000 | 78.1 | 20.8 | 4.9 |
| II-2 | 14.3 | 400 | 62.5 | 25,200 | 70.5 | 20.7 | 3.7 |
| II-3 | 17.5 | 419 | 83.9 | 35,200 | 67.1 | 21.1 | 5.0 |
| Average | 16.4 | 412 | 72.7 | 30,100 | 71.9 | 20.9 | 4.5 |

Table F-89 NUTRIENT UPTAKE BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 2 IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I' | 1.50 | 0.051 | 0.96 | 17.7 |
| | II' | 0.93 | 0.060 | 0.59 | 24.7 |
| | I | 0.90 | 0.075 | 1.16 | 19.9 |
| | II | 0.58 | 0.029 | 0.35 | 18.7 |
| | III | 0.67 | 0.045 | 0.57 | 19.0 |
| | IV | 0.84 | 0.048 | 0.57 | 21.5 |
| Stem | I' | 0.41 | 0.043 | 1.32 | 11.1 |
| | II' | 0.49 | 0.046 | 1.39 | 13.7 |
| | I | 0.64 | 0.055 | 1.22 | 16.8 |
| | II | 0.45 | 0.067 | 1.39 | 17.3 |
| | III | 0.58 | 0.058 | 1.95 | 13.7 |
| | IV | 0.37 | 0.062 | 0.94 | 13.8 |
| Brown rice | I' | 1.62 | 0.136 | 0.17 | 0.1 |
| | II' | 1.34 | 0.181 | 0.17 | 0.1 |
| | I | 2.07 | 0.220 | 0.19 | 0.2 |
| | II | 1.04 | 0.178 | 0.15 | 0.1 |
| | III | 1.08 | 0.246 | 0.18 | 0.1 |
| | IV | 1.11 | 0.287 | 0.19 | 0.1 |
| Chaff | I' | 1.14 | 0.096 | 0.34 | 11.5 |
| | II' | 0.67 | 0.089 | 0.38 | 14.5 |
| | I | 1.47 | 0.150 | 0.40 | 12.2 |
| | II | 0.66 | 0.085 | 0.35 | 14.3 |
| | III | 0.41 | 0.069 | 0.29 | 18.8 |
| | IV | 0.40 | 0.093 | 0.33 | 19.0 |

Table F-90 NUTRIENT UPTAKE BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 4 (LATERAL D) IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 1.69 | 0.076 | 1.48 | 13.4 |
| | II | 1.20 | 0.080 | 1.16 | 15.7 |
| | III | 1.20 | 0.078 | 1.50 | 15.1 |
| | IV | 1.21 | 0.069 | 0.88 | 15.2 |
| Stem | I | 0.93 | 0.109 | 1.81 | 7.7 |
| | II | 0.96 | 0.119 | 2.12 | 10.2 |
| | III | 0.64 | 0.157 | 1.73 | 10.8 |
| | IV | 0.75 | 0.104 | 1.87 | 9.5 |
| Brown rice | I | * | * | * | * |
| | II | 2.01 | 0.289 | 0.22 | 0.1 |
| | III | 1.53 | 0.283 | 0.21 | 0.1 |
| | IV | 1.08 | 0.237 | 0.19 | 0.1 |
| Chaff | I | 1.23 | 0.139 | 0.59 | 3.6 |
| | II | 0.44 | 0.151 | 0.53 | 7.3 |
| | III | 1.23 | 0.172 | 0.44 | 5.7 |
| | IV | 1.14 | 0.144 | 0.47 | 5.9 |

Remarks; * : Samples are not available.

Table F-91 NUTRIENT UPTAKE BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 4 (DON MOTEO DITCH) IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 1.26 | 0.064 | 0.86 | 22.3 |
| | II | 1.21 | 0.061 | 0.65 | 23.8 |
| | III | 1.62 | 0.071 | 1.13 | 20.1 |
| | IV | 1.80 | 0.086 | 1.01 | 18.3 |
| Stem | I | 0.63 | 0.041 | 1.17 | 19.8 |
| | II | 0.57 | 0.053 | 1.36 | 19.1 |
| | III | 0.50 | 0.051 | 1.54 | 15.3 |
| | IV | 0.99 | 0.063 | 1.58 | 13.1 |
| Brown rice | I | 2.03 | 0.251 | 0.20 | 0.3 |
| | II | 1.18 | 0.243 | 0.18 | 0.6 |
| | III | 1.57 | 0.215 | 0.16 | 0.3 |
| | IV | 2.02 | 0.209 | 0.16 | 0.1 |
| Chaff | I | 1.52 | 0.163 | 0.47 | 15.8 |
| | II | 1.03 | 0.146 | 0.64 | 15.1 |
| | III | 1.32 | 0.123 | 0.39 | 15.4 |
| | IV | 1.38 | 0.120 | 0.38 | 18.3 |

Table F-92 NUTRIENT UPTAKE BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 10 IN ADRIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 3.73 | 0.235 | 1.13 | 17.0 |
| | II | 3.08 | 0.225 | 1.01 | 21.0 |
| | III | 1.67 | 0.133 | 0.63 | 24.7 |
| | IV | 1.51 | 0.051 | 0.80 | 21.4 |
| Stem | I | 1.51 | 0.265 | 1.65 | 13.0 |
| | II | 1.55 | 0.185 | 1.11 | 16.8 |
| | III | 1.28 | 0.178 | 1.25 | 14.5 |
| | IV | 1.06 | 0.077 | 0.88 | 13.4 |
| Brown rice | I | 2.63 | 0.251 | 0.22 | 0.3 |
| | II | 2.60 | 0.243 | 0.21 | 0.1 |
| | III | 2.14 | 0.215 | 0.22 | 0.2 |
| | IV | 1.99 | 0.209 | 0.21 | 0.1 |
| Chaff | I | 1.18 | 0.179 | 0.45 | 14.6 |
| | II | 1.19 | 0.107 | 0.47 | 21.5 |
| | III | 2.00 | 0.090 | 0.46 | 20.8 |
| | IV | 1.34 | 0.194 | 0.59 | 9.7 |

Table F-93 HEAVY METALS ABSORBED BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 2 IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I' | 50.5 | 1.16 | 19.5 | 0.06 | — |
| | II' | 170.5 | 3.69 | 38.5 | + | — |
| | I | 75.5 | 2.60 | 33.7 | 0.04 | — |
| | II | 33.8 | 2.47 | 20.8 | 0.06 | — |
| | III | 35.8 | 1.58 | 75.1 | 0.04 | — |
| | IV | 23.3 | 0.77 | 19.3 | 0.07 | — |
| Stem | I' | 84.3 | + | 33.4 | 0.24 | — |
| | II' | 46.8 | 2.30 | 64.5 | 0.52 | — |
| | I | 53.5 | 2.16 | 45.6 | 0.13 | — |
| | II | 151.5 | 4.27 | 46.0 | 0.21 | — |
| | III | 34.2 | 0.21 | 45.0 | 0.45 | — |
| | IV | 34.3 | + | 49.1 | 0.38 | — |
| Brown rice | I' | 9.0 | 0.81 | 33.0 | 0.18 | — |
| | II' | 6.8 | 0.54 | 29.2 | 0.23 | — |
| | I | 7.3 | 0.29 | 33.7 | 0.18 | — |
| | II | 4.3 | 1.31 | 24.2 | 0.37 | — |
| | III | 3.0 | 0.84 | 23.9 | 0.31 | — |
| | IV | 3.5 | 1.35 | 24.1 | 0.24 | — |
| Chaff | I' | 9.8 | 1.15 | 43.2 | + | — |
| | II' | 10.5 | 0.83 | 57.0 | 0.02 | — |
| | I | 10.8 | 1.32 | 41.7 | +1 | — |
| | II | 4.0 | 3.75 | 42.6 | 0.08 | — |
| | III | 3.0 | 2.60 | 46.5 | 0.08 | — |
| | IV | 9.8 | 2.56 | 48.7 | + | — |
| Root | I' | 732 | 11.0 | 63.6 | 0.59 | 0.002 |
| | II' | 676 | 23.6 | 86.9 | 1.12 | 0.005 |
| | I | 845 | 22.4 | 81.3 | 0.92 | 0.008 |
| | II | 534 | 41.5 | 101 | 1.65 | 0.008 |
| | III | 384 | 26.8 | 95.6 | 1.97 | 0.007 |
| | IV | 304 | 12.5 | 102 | 1.37 | 0.005 |

Remarks; + : Trace
- : Not analyzed

Table F-94 HEAVY METALS ABSORBED BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 4 (LATERAL D) IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 21.3 | 1.78 | 17.9 | + | — |
| | II | 23.5 | 2.05 | 20.1 | 0.09 | — |
| | III | 16.3 | 1.86 | 17.9 | 0.02 | — |
| | IV | 23.5 | 1.39 | 21.5 | 0.02 | — |
| Stem | I | 63.5 | 0.97 | 42.9 | 0.34 | — |
| | II | 50.0 | 1.36 | 74.0 | 1.21 | — |
| | III | 36.3 | 2.51 | 69.0 | 1.57 | — |
| | IV | 74.8 | 2.49 | 69.1 | 1.53 | — |
| Brown rice | I | * | * | * | * | * |
| | II | 4.8 | 4.83 | 31.9 | 0.57 | — |
| | III | 11.3 | 0.69 | 38.2 | 0.82 | — |
| | IV | 5.5 | 0.60 | 35.8 | 0.77 | — |
| Chaff | I | 10.5 | 5.90 | 32.8 | + | — |
| | II | 7.3 | 3.97 | 47.0 | 0.09 | — |
| | III | 6.5 | 1.92 | 49.4 | 0.28 | — |
| | IV | 6.3 | 1.39 | 51.1 | 0.25 | — |
| Root | I | 336 | 14.3 | 80.4 | 1.93 | 0.056 |
| | II | 306 | 25.8 | 141 | 3.95 | 0.011 |
| | III | 467 | 29.6 | 117 | 3.59 | 0.009 |
| | IV | 407 | 29.8 | 123 | 4.14 | 0.007 |

Remarks; + : Trace
— : Not analyzed
* : Samples are not available

Table F-95 HEAVY METALS ABSORBED BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 4 (DON MOTEO DITCH) IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 26.5 | 1.46 | 18.1 | 0.06 | — |
| | II | 94.8 | 7.41 | 28.6 | 0.11 | — |
| | III | 26.0 | 4.55 | 26.3 | 0.09 | — |
| | IV | 17.5 | 6.65 | 27.0 | 0.11 | — |
| Stem | I | 97.0 | 3.78 | 52.6 | 0.55 | — |
| | II | 141.8 | 3.05 | 103 | 0.28 | — |
| | III | 42.5 | 4.27 | 72 | 0.92 | — |
| | IV | 24.3 | 2.88 | 75 | 1.16 | — |
| Brown rice | I | 8.3 | 2.33 | 32.4 | + | — |
| | II | 6.3 | 0.82 | 38.4 | + | — |
| | III | 7.3 | 1.16 | 40.9 | 0.05 | — |
| | IV | 6.8 | 1.30 | 36.0 | 0.06 | — |
| Chaff | I | 9.3 | 1.57 | 35.0 | + | — |
| | II | 7.3 | 0.79 | 48.2 | + | — |
| | III | 8.0 | 0.70 | 52.1 | 0.09 | — |
| | IV | 7.0 | 1.07 | 42.7 | 0.08 | — |
| Root | I | 928 | 16.7 | 78.1 | 1.25 | 0.002 |
| | II | 703 | 24.7 | 90.9 | 1.86 | 0.009 |
| | III | 665 | 32.5 | 105 | 2.55 | 0.002 |
| | IV | 356 | 55.6 | 86.0 | 2.28 | 0.002 |

Remarks; + : Trace
- : Not analyzed

Table F-96 HEAVY METALS ABSORBED BY DRY SEASON PADDY GROWN AT MONITORING POINT NO. 10 IN ADRIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 5.3 | 1.35 | 25.4 | 0.09 | — |
| | II | 7.8 | 1.66 | 114 | + | — |
| | III | 3.8 | 0.82 | 26.0 | 0.06 | — |
| | IV | 3.5 | 1.49 | 20.2 | + | — |
| Stem | I | 6.5 | 2.37 | 59.2 | 0.11 | — |
| | II | 5.0 | 1.16 | 58.7 | 0.17 | — |
| | III | 8.0 | 1.18 | 53.5 | 0.19 | — |
| | IV | 8.5 | 1.90 | 56.0 | 0.27 | — |
| Brown rice | I | 1.8 | 0.85 | 27.4 | + | — |
| | II | 3.5 | 0.98 | 32.8 | + | — |
| | III | 3.5 | 0.59 | 29.4 | + | — |
| | IV | 4.8 | 1.65 | 36.5 | + | — |
| Chaff | I | 2.8 | 1.50 | 47.4 | + | — |
| | II | 3.5 | 2.23 | 65.2 | + | — |
| | III | 3.5 | 1.51 | 77.5 | + | — |
| | IV | 5.3 | 2.02 | 68.4 | + | — |
| Root | I | 16.4 | 11.00 | 123 | 0.16 | 0.003 |
| | II | 20.2 | 5.31 | 103 | 0.19 | 0.015 |
| | III | 16.2 | 7.34 | 96.3 | 0.14 | 0.001 |
| | IV | 26.2 | 4.30 | 226 | 0.40 | 0.029 |

Remarks; + : Trace
- : Not analyzed

## Table F-97 OBSERVATION RECORDS ON PADDY GROWTH IN WET SEASON AT MONITORING POINT NO. 2 IN ARIS

| Plot No. | Items Measured | July 18 | July 25 | July 30 | Aug. 8 | Aug. 15 | Aug. 21 | Aug. 29 | Sept. 5 | Sept. 10 | Sept. 21 | Sept. 26 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-1 | Plant height (cm) | — | 44 | 44 | 68 | 76 | 80 | 95 | 96 | 96 | 96 | — |
| | No. of tillers | — | 7 | 7 | 16 | 20 | 21 | 16 | 17 | 18 | 20 | — |
| -2 | Plant height (cm) | — | 46 | 54 | 68 | 78 | 86 | 99 | 101 | 101 | 101 | — |
| | No. of tillers | — | 8 | 8 | 11 | 14 | 16 | 14 | 14 | 14 | 16 | — |
| -3 | Plant height (cm) | — | 56 | 62 | 72 | 81 | 95 | 105 | 106 | 106 | 106 | — |
| | No. of tillers | — | 5 | 5 | 11 | 14 | 15 | 15 | 14 | 14 | 14 | — |
| II-1 | Plant height (cm) | 32 | 38 | 43 | 65 | 64 | 82 | 82 | 82 | 86 | 88 | 88 |
| | No. of tillers | 7 | 17 | 20 | 30 | 23 | 20 | 17 | 16 | 18 | 18 | 16 |
| -2 | Plant height (cm) | 35 | 38 | 41 | 61 | 64 | 70 | 71 | 73 | 84 | 81 | 81 |
| | No. of tillers | 6 | 16 | 21 | 25 | 19 | 21 | 18 | 18 | 18 | 17 | 16 |
| -3 | Plant height (cm) | 33 | 33 | 40 | 55 | 50 | 66 | 72 | 80 | 83 | 85 | 85 |
| | No. of tillers | 8 | 17 | 21 | 23 | 16 | 19 | 16 | 15 | 16 | 21 | 21 |
| III-1 | Plant height (cm) | 30 | 31 | 31 | 53 | 65 | 72 | 72 | 75 | 83 | 86 | 86 |
| | No. of tillers | 7 | 15 | 17 | 35 | 31 | 29 | 23 | 20 | 26 | 26 | 21 |
| -2 | Plant height (cm) | 23 | 29 | 30 | 56 | 65 | 74 | 75 | 75 | 83 | 89 | 90 |
| | No. of tillers | 8 | 15 | 18 | 38 | 28 | 30 | 21 | 20 | 26 | 26 | 22 |
| -3 | Plant height (cm) | 27 | 28 | 34 | 54 | 66 | 72 | 77 | 86 | 95 | 97 | 98 |
| | No. of tillers | 8 | 13 | 17 | 28 | 26 | 28 | 20 | 17 | 24 | 23 | 18 |
| IV-1 | Plant height (cm) | 25 | 31 | 34 | 46 | 60 | 72 | 77 | 80 | 92 | 92 | 92 |
| | No. of tillers | 7 | 15 | 22 | 24 | 22 | 22 | 19 | 17 | 21 | 16 | 15 |
| -2 | Plant height (cm) | 27 | 33 | 39 | 47 | 61 | 74 | 79 | 81 | 93 | 93 | 93 |
| | No. of tillers | 13 | 25 | 28 | 29 | 26 | 28 | 24 | 23 | 23 | 21 | 20 |
| -3 | Plant height (cm) | 27 | 32 | 37 | 47 | 64 | 72 | 80 | 82 | 89 | 91 | 91 |
| | No. of tillers | 7 | 19 | 24 | 25 | 24 | 25 | 19 | 19 | 20 | 18 | 19 |

Note; Variety : UPL-RI4

## Table F-98 OBSERVATION RECORDS ON PADDY GROWTH IN WET SEASON AT MONITORING POINT NO. 4 IN ARIS

| Plot No. | Items Measured | July 25 | July 30 | Aug. 8 | Aug. 15 | Aug. 21 | Aug. 29 | Sept. 5 | Sept. 10 | Sept. 21 | Sept. 27 | Oct. 5 | Oct. 12 | Oct. 16 | Oct. 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-1 | Plant height (cm) | 26 | 26 | 39 | 46 | 64 | 73 | 73 | 73 | 73 | 79 | 88 | 94 | 103 | 103 |
| | No. of tillers | 7 | 8 | 10 | 9 | 22 | 26 | 27 | 26 | 26 | 29 | 24 | 24 | 24 | 21 |
| -2 | Plant height (cm) | 24 | 27 | 34 | 40 | 56 | 65 | 65 | 66 | 74 | 77 | 82 | 95 | 104 | 105 |
| | No. of tillers | 6 | 7 | 7 | 7 | 17 | 24 | 28 | 34 | 26 | 25 | 26 | 26 | 31 | 29 |
| -3 | Plant height (cm) | 23 | 25 | 32 | 36 | 56 | 63 | 63 | 63 | 71 | 76 | 81 | 95 | 95 | 102 |
| | No. of tillers | 9 | 9 | 9 | 9 | 14 | 23 | 23 | 19 | 25 | 24 | 24 | 23 | 21 | 20 |
| II-1 | Plant height (cm) | 24 | 28 | 42 | 52 | 69 | 79 | 80 | 81 | 83 | 85 | 93 | 101 | 106 | 107 |
| | No. of tillers | 9 | 9 | 9 | 9 | 14 | 14 | 14 | 16 | 16 | 15 | 14 | 13 | 13 | 11 |
| -2 | Plant height (cm) | 28 | 29 | 45 | 61 | 66 | 80 | 80 | 80 | 89 | 91 | 98 | 102 | 103 | 105 |
| | No. of tillers | 8 | 8 | 11 | 12 | 15 | 15 | 15 | 18 | 17 | 15 | 14 | 13 | 14 | 12 |
| -3 | Plant height (cm) | 25 | 25 | 44 | 60 | 79 | 87 | 88 | 89 | 89 | 92 | 95 | 118 | 119 | 121 |
| | No. of tillers | 5 | 5 | 9 | 11 | 15 | 14 | 14 | 17 | 19 | 18 | 18 | 16 | 15 | 14 |
| III-1 | Plant height (cm) | 25 | 25 | 35 | 46 | 59 | 68 | 67 | 78 | 81 | 84 | 86 | 105 | 109 | 109 |
| | No. of tillers | 8 | 12 | 14 | 18 | 27 | 22 | 23 | 26 | 31 | 28 | 27 | 24 | 23 | 23 |
| -2 | Plant height (cm) | 21 | 23 | 40 | 48 | 63 | 68 | 68 | 78 | 84 | 87 | 94 | 107 | 108 | 107 |
| | No. of tillers | 12 | 20 | 20 | 20 | 30 | 31 | 27 | 35 | 37 | 31 | 31 | 30 | 29 | 28 |
| -3 | Plant height (cm) | 23 | 23 | 38 | 46 | 65 | 65 | 65 | 77 | 85 | 88 | 89 | 103 | 109 | 109 |
| | No. of tillers | 10 | 11 | 13 | 14 | 26 | 22 | 25 | 37 | 34 | 30 | 29 | 25 | 24 | 23 |
| IV-1 | Plant height (cm) | 20 | 23 | 37 | 45 | 61 | 74 | 74 | 81 | 89 | 90 | 91 | 101 | 106 | 106 |
| | No. of tillers | 12 | 15 | 15 | 17 | 20 | 19 | 17 | 19 | 21 | 19 | 19 | 18 | 17 | 17 |
| -2 | Plant height (cm) | 27 | 29 | 45 | 56 | 72 | 83 | 85 | 86 | 92 | 92 | 101 | 112 | 113 | 113 |
| | No. of tillers | 9 | 9 | 18 | 18 | 23 | 22 | 23 | 25 | 24 | 24 | 24 | 22 | 22 | 21 |
| -3 | Plant height (cm) | 22 | 23 | 45 | 66 | 85 | 88 | 92 | 92 | 92 | 92 | 96 | 107 | 109 | 110 |
| | No. of tillers | 15 | 15 | 16 | 18 | 20 | 21 | 21 | 25 | 19* | 21** | 21 | 21 | 21 | 20 |

Remarks; * : Four tillers were damaged by birds.
** : Five tillers were damaged by birds.

Note; Variety : IR-42

## Table F-99 OBSERVATION RECORDS ON PADDY GROWTH IN WET SEASON AT MONITORING POINT NO. 6 IN ARIS

| Plot No. | Items Measured | Aug. 9 | Aug. 15 | Aug. 21 | Aug. 29 | Sept. 5 | Sept. 10 | Sept. 21 | Sept. 26 | Oct. 5 | Oct. 12 | Oct. 16 | Oct. 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-1 | Plant height (cm) | 18 | 24 | 29 | 45 | 56 | 56 | 56 | 61 | 88 | 90 | 94 | 94 |
| | No. of tillers | 7 | 7 | 8 | 14 | 16 | 16 | 19 | 22 | 26 | 25 | 24 | 21 |
| -2 | Plant height (cm) | 23 | 23 | 27 | 40 | 47 | 50 | 52 | 58 | 72 | 76 | 78 | 78 |
| | No. of tillers | 6 | 7 | 9 | 8 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 12 |
| -3 | Plant height (cm) | 19 | 26 | 32 | 47 | 54 | 59 | 63 | 65 | 82 | 82 | 83 | 83 |
| | No. of tillers | 4 | 8 | 11 | 10 | 10 | 11 | 10 | 11 | 15 | 14 | 14 | 14 |
| II-1 | Plant height (cm) | 31 | 40 | 49 | 60 | 64 | 69 | 75 | 78 | 101 | 103 | 104 | 104 |
| | No. on tillers | 8 | 14 | 17 | 21 | 21 | 22 | 22 | 22 | 18 | 15 | 15 | 14 |
| -2 | Plant height (cm) | 25 | 27 | 40 | 57 | 60 | 68 | 71 | 72 | 89 | 103 | 103 | 105 |
| | No. of tillers | 7 | 14 | 15 | 14 | 13 | 15 | 12 | 10* | 10 | 10 | 10 | 9 |
| -3 | Plant height (cm) | 25 | 29 | 39 | 50 | 62 | 67 | 73 | 78 | 84 | 98 | 98 | 99 |
| | No. of tillers | 6 | 12 | 14 | 16 | 16 | 17 | 14 | 13 | 12 | 12 | 11 | 10 |
| III-1 | Plant height (cm) | 31 | 35 | 41 | 51 | 60 | 66 | 70 | 75 | 88 | 104 | 105 | 105 |
| | No. of tillers | 4 | 8 | 13 | 16 | 16 | 19 | 18 | 17 | 15 | 14 | 13 | 11 |
| -2 | Plant height (cm) | 28 | 29 | 39 | 54 | 62 | 68 | 72 | 76 | 89 | 98 | 98 | 99 |
| | No. of tillers | 5 | 12 | 16 | 20 | 19 | 21 | 19 | 18 | 15 | 15 | 15 | 14 |
| -3 | Plant height (cm) | 27 | 35 | 43 | 54 | 63 | 67 | 73 | 78 | 90 | 101 | 101 | 101 |
| | No. of tillers | 6 | 8 | 14 | 19 | 20 | 20 | 20 | 20 | 15 | 14 | 12 | 12 |
| IV-1 | Plant height (cm) | 24 | 26 | 41 | 45 | 56 | 64 | 69 | 71 | 88 | 94 | 95 | 95 |
| | No. of tillers | 7 | 15 | 19 | 20 | 19 | 21 | 20 | 21 | 17 | 16 | 16 | 16 |
| -2 | Plant height (cm) | 24 | 34 | 41 | 50 | 60 | 65 | 73 | 76 | 96 | 96 | 98 | 98 |
| | No. of tillers | 8 | 14 | 15 | 16 | 16 | 18 | 20 | 16 | 14 | 14 | 13 | 12 |
| -3 | Plant height (cm) | 19 | 29 | 43 | 48 | 61 | 67 | 75 | 75 | 92 | 97 | 98 | 98 |
| | No. of tillers | 10 | 16 | 19 | 16 | 17 | 21 | 19 | 17 | 16 | 14 | 12 | 10 |

Remarks; * : Two tillers were damaged by birds.
Note; Variety : IR-54

## Table F-100 OBSERVATION RECORDS ON PADDY GROWTH IN WET SEASON AT MONITORING POINT NO. 8 IN ARIS

| Plot No. | Items Measured | July 19 | July 25 | July 30 | Aug. 8 | Aug. 15 | Aug. 21 | Aug. 30 | Sept. 5 | Sept. 10 | Sept. 20 | Sept. 26 | Oct. 5 | Oct. 12 | Oct. 16 | Oct. 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-1 | Plant height (cm) | 26 | 26 | 29 | 39 | 48 | 56 | 64 | 77 | 78 | 88 | 89 | 95 | 100 | 100 | 100 |
| | No. of tillers | 6 | 7 | 7 | 7 | 7 | 8 | 10 | 12 | 12 | 13 | 10 | 9 | 9 | 8 | 8 |
| -2 | Plant height (cm) | 33 | 35 | 36 | 43 | 50 | 55 | 60 | 71 | 76 | 81 | 81 | 89 | 92 | 92 | 92 |
| | No. of tillers | 4 | 5 | 7 | 8 | 8 | 8 | 9 | 11 | 11 | 11 | 11 | 10 | 10 | 9 | 8 |
| -3 | Plant height (cm) | 29 | 29 | 37 | 48 | 56 | 60 | 68 | 76 | 79 | 84 | 84 | 92 | 98 | 99 | 99 |
| | No. of tillers | 3 | 3 | 7 | 8 | 7 | 7 | 8 | 9 | 8 | 9 | 8 | 8 | 8 | 8 | 8 |
| II-1 | Plant height (cm) | 17 | 17 | 19 | 35 | 45 | 53 | 64 | 77 | 82 | 86 | 89 | 89 | 93 | 111 | 111 |
| | No. of tillers | 9 | 9 | 12 | 12 | 13 | 14 | 26 | 28 | 28 | 28 | 30 | 28 | 21 | 19 | 18 |
| -2 | Plant height (cm) | 20 | 20 | 22 | 39 | 43 | 44 | 69 | 79 | 85 | 87 | 90 | 90 | 96 | 108 | 110 |
| | No. of tillers | 5 | 9 | 10 | 12 | 15 | 16 | 30 | 29 | 33 | 33 | 28 | 25 | 20 | 19 | 17 |
| -3 | Plant height (cm) | 25 | 25 | 29 | 43 | 51 | 57 | 84 | 93 | 104 | 109 | 110 | 110 | 132 | 133 | 135 |
| | No. of tillers | 8 | 9 | 13 | 16 | 22 | 22 | 33 | 32 | 36 | 33 | 31 | 28 | 24 | 21 | 19 |
| III-1 | Plant height (cm) | 35 | 35 | 40 | 53 | 61 | 68 | 80 | 90 | 95 | 98 | 98 | 110 | 118 | 119 | 119 |
| | No. of tillers | 8 | 11 | 20 | 27 | 26 | 26 | 27 | 34 | 39 | 38 | 44 | 41 | 35 | 35 | 33 |
| -2 | Plant height (cm) | 35 | 35 | 37 | 45 | 54 | 60 | 74 | 88 | 90 | 98 | 92 | 100 | 111 | 112 | 113 |
| | No. of tillers | 7 | 8 | 19 | 21 | 22 | 21 | 27 | 30 | 33 | 35 | 30 | 18 | 18 | 16 | 15 |
| -3 | Plant height (cm) | 36 | 36 | 37 | 44 | 47 | 57 | 70 | 85 | 86 | 91 | 91 | 101 | 114 | 114 | 115 |
| | No. of tillers | 5 | 10 | 17 | 18 | 17 | 20 | 29 | 31 | 34 | 34 | 31 | 26 | 24 | 24 | 24 |
| IV-1 | Plant height (cm) | 30 | 30 | 35 | 51 | 53 | 60 | 81 | 93 | 94 | 100 | 102 | 108 | 118 | 120 | 120 |
| | No. of tillers | 8 | 9 | 16 | 20 | 18 | 20 | 30 | 31 | 34 | 35 | 31 | 27 | 26 | 24 | 24 |
| -2 | Plant height (cm) | 32 | 33 | 39 | 50 | 52 | 54 | 79 | 89 | 94 | 99 | 99 | 107 | 112 | 114 | 114 |
| | No. of tillers | 4 | 5 | 11 | 14 | 12 | 12 | 25 | 34 | 35 | 34 | 33 | 28 | 27 | 26 | 25 |
| -3 | Plant height (cm) | 31 | 31 | 39 | 49 | 54 | 60 | 86 | 91 | 94 | 104 | 102 | 103 | 114 | 114 | 114 |
| | No. of tillers | 8 | 8 | 16 | 19 | 17 | 17 | 36 | 39 | 43 | 40 | 39 | 35 | 32 | 32 | 29 |

Note; Variety : IR-42

## Table F-101 OBSERVATION RECORDS ON PADDY GROWTH IN WET SEASON AT MONITORING POINT NO. 12 IN ARIS

| Plot No. | Items Measured | July 18 | July 25 | July 30 | Aug. 8 | Aug. 15 | Aug. 21 | Sept. 3 | Sept. 11 | Sept. 20 | Sept. 26 | Oct. 7 | Oct. 12 | Oct. 16 | Oct. 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I-1 | Plant height (cm) | 23 | 23 | 31 | 49 | 60 | 75 | 89 | 93 | 93 | 93 | 104 | 114 | 115 | 115 |
| | No. of tillers | 3 | 4 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 8 | 8 | 8 |
| -2 | Plant height (cm) | 31 | 32 | 41 | 50 | 62 | 75 | 93 | 93 | 93 | 96 | 113 | 114 | 117 | 117 |
| | No. of tillers | 6 | 7 | 8 | 9 | 8 | 9 | 7 | 9 | 9 | 9 | 12 | 12 | 12 | 12 |
| -3 | Plant height (cm) | 25 | 25 | 32 | 44 | 62 | 72 | 85 | 86 | 86 | 86 | 108 | 109 | 112 | 112 |
| | No. of tillers | 2 | 2 | 3 | 3 | 5 | 5 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| II-1 | Plant height (cm) | 25 | 33 | 46 | 61 | 72 | 86 | 99 | 99 | 99 | 99 | 107 | 117 | 117 | 117 |
| | No. of tillers | 3 | 5 | 6 | 8 | 8 | 8 | 7 | 8 | 9 | 8 | 8 | 7 | 7 | 7 |
| -2 | Plant height (cm) | 25 | 37 | 45 | 57 | 67 | 76 | 92 | 93 | 96 | 100 | 108 | 108 | 109 | 111 |
| | No. of tillers | 5 | 7 | 10 | 10 | 8 | 8 | 7 | 9 | 8 | 8 | 8 | 8 | 8 | 8 |
| -3 | Plant height (cm) | 31 | 34 | 43 | 62 | 70 | 77 | 94 | 95 | 97 | 101 | 103 | 113 | 113 | 113 |
| | No. of tillers | 5 | 8 | 8 | 9 | 8 | 8 | 7 | 9 | 9 | 9 | 9 | 9 | 9 | 8 |
| III-1 | Plant height (cm) | 23 | 28 | 39 | 56 | 73 | 83 | 104 | 102 | 112 | 113 | 123 | 123 | 123 | 123 |
| | No. of tillers | 5 | 13 | 13 | 12 | 10 | 9 | 6 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| -2 | Plant height (cm) | 26 | 38 | 41 | 65 | 75 | 81 | 98 | 102 | 111 | 116 | 102 | 107 | 109 | 109 |
| | No. of tillers | 5 | 12 | 12 | 13 | 11 | 12 | 8 | 11 | 11 | 12 | 8* | 10 | 10 | 10 |
| -3 | Plant height (cm) | 23 | 30 | 41 | 57 | 70 | 82 | 99 | 101 | 103 | 105 | 110 | 110 | 110 | 110 |
| | No. of tillers | 4 | 5 | 6 | 7 | 6 | 6 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| IV-1 | Plant height (cm) | — | 50 | 58 | 68 | 84 | 93 | 108 | 118 | 121 | 118 | 125 | 125 | 127 | 128 |
| | No. of tillers | — | 15 | 17 | 16 | 13 | 9 | 10 | 10 | 11 | 10 | 10 | 10 | 10 | 10 |
| -2 | Plant height (cm) | — | 51 | 61 | 63 | 81 | 93 | 115 | 115 | 116 | 123 | 129 | 130 | 130 | 131 |
| | No. of tillers | — | 8 | 8 | 8 | 4* | 4 | 3 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| -3 | Plant height (cm) | — | 55 | 61 | 69 | 86 | 95 | 114 | 114 | 118 | 121 | 128 | 129 | 129 | 130 |
| | No. of tillers | — | 9 | 11 | 11 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |

Remarks; * : Four tillers were damaged by bird.
Note; Variety : IR-42

## Table F-102 OBSERVATION RECORDS ON PADDY GROWTH IN WET SEASON AT MONITORING POINT NO. 10 IN ADRIS

| Plot No. | Items Measured | Aug. 22 | Aug. 30 | Sept. 4 | Sept. 11 | Sept. 18 | Sept. 26 | Oct. 7 | Oct. 11 | Oct. 17 | Oct. 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| I-1 | Plant height (cm) | 23 | 39 | 43 | 49 | 62 | 67 | 77 | 81 | 83 | 83 |
| | No. of tillers | 6 | 19 | 25 | 39 | 41 | 42 | 38 | 34 | 32 | 29 |
| -2 | Plant height (cm) | 26 | 34 | 38 | 45 | 65 | 70 | 86 | 86 | 86 | 86 |
| | No. of tillers | 5 | 19 | 24 | 36 | 41 | 41 | 36 | 33 | 33 | 30 |
| -3 | Plant height (cm) | 27 | 37 | 44 | 54 | 68 | 73 | 80 | 83 | 83 | 83 |
| | No. of tillers | 11 | 21 | 29 | 39 | 48 | 49 | 43 | 38 | 35 | 28 |
| II-1 | Plant height (cm) | 26 | 30 | 36 | 47 | 58 | 67 | 78 | 81 | 89 | 90 |
| | No. of tillers | 5 | 11 | 15 | 26 | 28 | 31 | 26 | 27 | 27 | 24 |
| -2 | Plant height (cm) | 24 | 30 | 35 | 35 | 49 | 64 | 74 | 82 | 83 | 83 |
| | No. of tillers | 7 | 11 | 11 | 18 | 19 | 21 | 18 | 18 | 17 | 16 |
| -3 | Plant height (cm) | 30 | 44 | 39 | 50 | 62 | 71 | 88 | 89 | 90 | 90 |
| | No. of tillers | 9 | 24 | 30 | 39 | 48 | 44 | 41 | 40 | 40 | 34 |
| III-1 | Plant height(cm) | 30 | 41 | 37 | 39 | 55 | 56 | 79 | 84 | 84 | 84 |
| | No. of tillers | 7 | 13 | 13 | 20 | 20 | 21 | 19 | 17 | 17 | 16 |
| -2 | Plant height (cm) | 31 | 44 | 48 | 48 | 61 | 72 | 86 | 95 | 97 | 98 |
| | No. of tillers | 10 | 18 | 23 | 38 | 44 | 45 | 40 | 39 | 37 | 32 |
| -3 | Plant height (cm) | 35 | 40 | 41 | 43 | 54 | 70 | 83 | 93 | 95 | 95 |
| | No. of tillers | 4 | 13 | 17 | 24 | 29 | 27 | 24 | 23 | 23 | 20 |
| IV-1 | Plant height (cm) | 33 | 31 | 37 | 37 | 48 | 52 | 72 | 78 | 81 | 81 |
| | No. of tillers | 4 | 15 | 10 | 26 | 30 | 36 | 37 | 34 | 33 | 30 |
| -2 | Plant height (cm) | 28 | 32 | 34 | 37 | 50 | 59 | 67 | 75 | 76 | 77 |
| | No. of tillers | 9 | 9 | 21 | 40 | 46 | 48 | 38 | 35 | 35 | 32 |
| -3 | Plant height (cm) | 28 | 31 | 33 | 37 | 48 | 59 | 72 | 77 | 82 | 82 |
| | No. of tillers | 7 | 7 | 13 | 26 | 30 | 30 | 28 | 28 | 26 | 24 |

Note; Variety : IR36

Table F-103 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY AT MONITORING POINTS NO. 2 AND NO. 4 IN ARIS

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| (1) Monitoring Point No. 2 | | | | | | | |
| I-1 | 10.2 | 264 | 46.0 | 12,100 | 76.6 | 26.2 | 2.4 |
| I-2 | 10.5 | 314 | 45.7 | 14,300 | 78.4 | 26.5 | 3.0 |
| I-3 | 14.2 | 356 | 40.5 | 14,400 | 79.6 | 25.7 | 3.0 |
| II-1 | 16.8 | 421 | 51.7 | 21,800 | 81.1 | 25.5 | 4.5 |
| II-2 | 18.0 | 468 | 45.9 | 21,500 | 72.2 | 25.4 | 3.9 |
| II-3 | 19.8 | 475 | 56.7 | 26,900 | 75.9 | 25.6 | 5.2 |
| III-1 | 20.4 | 469 | 50.2 | 23,500 | 77.0 | 25.8 | 4.7 |
| III-2 | 16.0 | 447 | 49.7 | 22,200 | 65.3 | 25.3 | 3.7 |
| III-3 | 18.9 | 472 | 49.0 | 23,100 | 84.4 | 25.1 | 4.9 |
| IV-1 | 15.9 | 462 | 56.1 | 25,900 | 84.1 | 24.5 | 5.3 |
| IV-2 | 13.6 | 381 | 56.8 | 21,600 | 83.6 | 25.4 | 4.6 |
| IV-3 | 13.6 | 434 | 53.4 | 23,200 | 86.0 | 25.0 | 5.0 |
| (2) Monitoring Point No. 4 | | | | | | | |
| I-1 | 14.6 | 291 | 65.0 | 18,900 | 80.3 | 21.5 | 3.3 |
| I-2 | 16.4 | 345 | 60.6 | 20,900 | 79.2 | 20.8 | 3.4 |
| I-3 | 16.7 | 334 | 65.6 | 21,900 | 75.7 | 20.4 | 3.4 |
| II-1 | 16.3 | 359 | 73.7 | 26,500 | 67.3 | 20.7 | 3.7 |
| II-2 | 17.3 | 364 | 64.2 | 23,400 | 71.6 | 21.4 | 3.6 |
| II-3 | 22.0 | 439 | 60.0 | 26,300 | 74.1 | 20.7 | 4.0 |
| III-1 | 16.9 | 406 | 67.6 | 27,400 | 78.7 | 21.3 | 4.6 |
| III-2 | 21.7 | 433 | 68.3 | 29,600 | 77.5 | 21.1 | 4.8 |
| III-3 | 19.7 | 473 | 57.9 | 27,400 | 74.8 | 20.6 | 4.2 |
| IV-1 | 23.2 | 511 | 56.8 | 29,000 | 70.4 | 21.6 | 4.4 |
| IV-2 | 19.2 | 404 | 55.4 | 22,400 | 76.0 | 21.5 | 3.7 |
| IV-3 | 17.7 | 407 | 51.0 | 20,700 | 75.3 | 21.1 | 3.3 |

**Table F-104 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY AT MONITORING POINTS NO. 6 AND NO. 8 IN ARIS**

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| (1) Monitoring Point No. 6 | | | | | | | |
| I-1 | 12.1 | 340 | 59.8 | 20,300 | 56.5 | 23.3 | 2.7 |
| I-2 | 11.7 | 234 | 82.6 | 19,300 | 59.5 | 24.8 | 2.8 |
| I-3 | 10.7 | 214 | 87.9 | 18,800 | 63.2 | 24.8 | 3.0 |
| II-1 | 8.9 | 259 | 72.2 | 18,700 | 56.6 | 24.9 | 2.6 |
| II-2 | 13.3 | 333 | 77.1 | 25,700 | 65.4 | 24.4 | 4.1 |
| II-3 | 11.9 | 250 | 97.2 | 24,300 | 59.6 | 24.4 | 3.5 |
| III-1 | 13.4 | 282 | 78.7 | 22,200 | 57.0 | 23.6 | 3.0 |
| III-2 | 10.4 | 240 | 88.9 | 21,300 | 60.6 | 24.0 | 3.1 |
| III-3 | 10.6 | 254 | 98.4 | 25,000 | 59.1 | 24.4 | 3.6 |
| IV-1 | 13.2 | 291 | 69.5 | 20,200 | 60.0 | 23.8 | 2.9 |
| IV-2 | 12.2 | 304 | 69.5 | 21,100 | 60.9 | 24.2 | 3.1 |
| IV-3 | 14.5 | 289 | 81.1 | 23,400 | 62.1 | 23.9 | 3.5 |
| (2) Monitoring Point No. 8 | | | | | | | |
| I-1 | 11.3 | 225 | 58.6 | 13,200 | 56.7 | 19.5 | 1.5 |
| I-2 | 12.5 | 249 | 103.9 | 25,900 | 76.5 | 20.0 | 4.0 |
| I-3 | 12.3 | 344 | 76.5 | 26,300 | 69.4 | 20.1 | 3.7 |
| II-1 | 14.4 | 311 | 104.0 | 32,400 | 73.4 | 20.6 | 4.9 |
| II-2 | 13.6 | 263 | 100.8 | 26,500 | 66.3 | 19.8 | 3.5 |
| II-3 | 17.1 | 394 | 106.3 | 41,900 | 65.2 | 20.0 | 5.5 |
| III-1 | 15.0 | 300 | 93.2 | 28,000 | 71.0 | 20.2 | 4.0 |
| III-2 | 19.2 | 422 | 85.8 | 36,200 | 52.7 | 19.0 | 3.6 |
| III-3 | 12.7 | 279 | 117.9 | 32,900 | 74.5 | 19.5 | 4.8 |
| IV-1 | 15.6 | 358 | 102.6 | 36,700 | 70.0 | 20.3 | 5.2 |
| IV-2 | 17.9 | 322 | 98.7 | 31,800 | 69.1 | 19.8 | 4.4 |
| IV-3 | 16.8 | 336 | 106.1 | 35,700 | 66.6 | 19.9 | 4.7 |

Table F-105 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY AT MONITORING POINTS NO. 12 IN ARIS AND NO. 10 IN ADRIS

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| (1) Monitoring Point No. 12 in ARIS | | | | | | | |
| I-1 | 7.3 | 343 | 63.8 | 21,900 | 82.6 | 20.8 | 3.8 |
| I-2 | 11.1 | 321 | 111.1 | 35,700 | 76.5 | 20.6 | 5.6 |
| I-3 | 15.4 | 370 | 93.4 | 34,600 | 75.5 | 20.4 | 5.3 |
| II-1 | 6.0 | 247 | 99.0 | 24,500 | 77.8 | 20.3 | 3.9 |
| II-2 | 8.8 | 273 | 83.9 | 22,900 | 72.4 | 21.0 | 3.5 |
| II-3 | 11.1 | 345 | 88.3 | 30,500 | 76.6 | 20.8 | 4.9 |
| III-1 | 9.5 | 361 | 85.9 | 31,000 | 80.5 | 21.0 | 5.2 |
| III-2 | 12.7 | 405 | 80.6 | 32,700 | 82.0 | 20.8 | 5.6 |
| III-3 | 11.4 | 387 | 82.9 | 32.100 | 74.7 | 21.1 | 5.1 |
| IV-1 | 11.0 | 319 | 75.4 | 24,100 | 81.0 | 21.0 | 4.1 |
| IV-2 | 12.1 | 412 | 71.8 | 29,600 | 83.3 | 20.8 | 5.1 |
| IV-3 | 12.6 | 404 | 80.3 | 32,400 | 84.6 | 21.3 | 5.8 |
| (2) Monitoring Point No. 10 in ADRIS | | | | | | | |
| I-1 | 24.6 | 614 | 52.6 | 32,300 | 45.8 | 21.0 | 3.0 |
| I-2 | 25.4 | 711 | 52.1 | 37,100 | 32.5 | 19.8 | 2.4 |
| I-3 | 25.4 | 609 | 59.7 | 36,300 | 37.2 | 20.0 | 2.7 |
| II-1 | 25.4 | 559 | 42.5 | 23,700 | 39.6 | 20.5 | 1.9 |
| II-2 | 22.5 | 586 | 48.0 | 28,100 | 34.5 | 20.1 | 2.0 |
| II-3 | 25.3 | 607 | 51.1 | 31,000 | 50.7 | 20.5 | 3.2 |
| III-1 | 21.1 | 527 | 51.1 | 26,900 | 55.3 | 21.5 | 3.2 |
| III-2 | 19.8 | 494 | 48.9 | 24,200 | 52.7 | 20.7 | 2.6 |
| III-3 | 21.6 | 539 | 41.4 | 22,300 | 48.0 | 20.4 | 2.2 |
| IV-1 | 21.9 | 526 | 46.4 | 24,400 | 40.2 | 20.9 | 2.1 |
| IV-2 | 21.2 | 509 | 51.9 | 26,400 | 43.5 | 20.5 | 2.4 |
| IV-3 | 21.7 | 542 | 41.7 | 22,600 | 35.6 | 19.6 | 1.6 |

**Table F-106 LIST OF WET SEASON PADDY SAMPLES COLLECTED IN ARIS FOR YIELD ANALYSIS**

| Sample No. | Location | Variety | Harvesting Sate |
|---|---|---|---|
| 1. | Main Canal (St. 33+906) | Malagkit | Sept. 20, 1984 |
| 2. | Main Canal (St. 35+129) | Malagkit | Sept. 20, 1984 |
| 3. | Lateral D (St. 2+140) | Malagkit | Sept. 21, 1984 |
| 4. | Lateral D (Head Gate) | Super 36 | Sept. 28, 1984 |
| 5. | Lateral D (St. 1+040) | Super 36 | Sept. 28, 1984 |
| 6. | Main Canal (St. 9+800) | IR 56 | Sept. 29, 1984 |
| 7. | Main Canal (St. 10+478) | IR 56 | Sept. 29, 1984 |
| 8. | Main Canal (St. 9+356) | IR 56 | Oct. 6, 1984 |
| 9. | Main Canal (St. 3+120) | IR 23 | Oct. 10, 1984 |
| 10. | Main Canal (St. 4+464) | IR 40 | Oct. 10, 1984 |
| 11. | Main Canal (St. 5+000) | IR 36 | Oct. 11, 1984 |
| 12. | Main Canal (St. 6+681) | IR 36 | Oct. 11, 1984 |
| 13. | Main Canal (St. 33+290) | IR 42 | Oct. 18, 1984 |
| 14. | Main Canal (St. 32+620) | IR 42 | Oct. 18, 1984 |
| 15. | Main Canal (St. 32+100) | IR 42 | Oct. 20, 1984 |
| 16. | Main Canal (St. 31+400) | IR 42 | Oct. 20, 1984 |
| 17. | Main Canal (St. 31+291) | IR 56 | Oct. 25, 1984 |
| 18. | Lateral J (St. 0+500) | IR 36 | Oct. 26, 1984 |

**Table F-107 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (1/8)**

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 1 | | | | | | | |
| I-1 | 8.9 | 275 | 38.7 | 10,600 | 59.7 | 26.4 | 1.7 |
| I-2 | 11.0 | 341 | 62.2 | 21,200 | 60.1 | 26.7 | 3.4 |
| I-3 | 12.5 | 346 | 51.6 | 22,500 | 63.1 | 26.6 | 3.8 |
| I-4 | 9.4 | 318 | 58.0 | 18,400 | 67.5 | 26.8 | 3.3 |
| I-5 | 10.8 | 368 | 51.4 | 18,900 | 64.4 | 26.6 | 3.2 |
| Average | 10.5 | 330 | 52.4 | 18,300 | 63.0 | 26.6 | 3.1 |
| II-1 | 17.5 | 491 | 40.2 | 19,700 | 62.6 | 26.2 | 3.2 |
| II-2 | 13.5 | 473 | 45.6 | 21,600 | 67.1 | 25.9 | 3.8 |
| Average | 15.5 | 482 | 42.9 | 20,650 | 64.9 | 26.1 | 3.5 |
| Sampling Point No. 2 | | | | | | | |
| I-1 | 13.2 | 462 | 44.2 | 20,400 | 74.0 | 24.1 | 3.6 |
| I-2 | 12.9 | 412 | 48.4 | 19,900 | 80.0 | 23.5 | 3.7 |
| I-3 | 11.7 | 410 | 54.6 | 22,400 | 67.4 | 24.2 | 3.7 |
| I-4 | 15.0 | 479 | 49.7 | 23,800 | 75.0 | 24.1 | 4.3 |
| Average | 13.2 | 441 | 49.2 | 21,600 | 74.1 | 24.0 | 3.8 |
| Sampling Point No. 3 | | | | | | | |
| I-1 | 11.2 | 280 | 45.4 | 12,700 | 67.8 | 25.8 | 2.2 |
| I-2 | 9.3 | 241 | 55.4 | 13,400 | 73.2 | 25.9 | 2.5 |
| I-3 | 9.8 | 246 | 55.4 | 13,600 | 72.2 | 25.8 | 2.5 |
| Average | 10.1 | 256 | 52.1 | 13,200 | 71.1 | 25.8 | 2.4 |
| Sampling Point No. 4 | | | | | | | |
| I-1 | 12.1 | 290 | 43.5 | 12,600 | 65.1 | 22.3 | 1.8 |
| I-2 | 15.9 | 430 | 36.9 | 15,900 | 61.3 | 23.3 | 2.3 |
| I-3 | 16.3 | 359 | 58.7 | 21,000 | 77.9 | 24.2 | 4.0 |
| I-4 | 15.7 | 392 | 62.3 | 24,400 | 78.4 | 24.1 | 4.6 |
| Average | 15.0 | 368 | 50.4 | 18,500 | 70.7 | 23.5 | 3.2 |
| II-1 | 13.1 | 327 | 45.8 | 15,000 | 68.5 | 22.8 | 2.3 |
| II-2 | 18.3 | 458 | 40.8 | 18,700 | 77.8 | 24.6 | 3.6 |
| II-3 | 17.8 | 409 | 51.6 | 21,100 | 81.2 | 24.4 | 4.2 |
| Average | 16.4 | 398 | 46.1 | 18,300 | 75.8 | 23.9 | 3.4 |
| III-1 | 16.6 | 448 | 53.4 | 23,900 | 74.0 | 23.8 | 4.2 |
| III-2 | 19.1 | 459 | 57.3 | 26,300 | 73.8 | 24.5 | 4.8 |
| III-3 | 14.5 | 362 | 51.5 | 18,600 | 80.4 | 24.1 | 3.6 |
| Average | 16.7 | 423 | 54.1 | 22,900 | 76.1 | 24.1 | 4.2 |

**Table F-108 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (2/8)**

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 5 | | | | | | | |
| I-1 | 12.0 | 311 | 41.8 | 13,000 | 71.6 | 24.8 | 2.3 |
| I-2 | 13.5 | 338 | 36.3 | 12,000 | 88.8 | 26.5 | 2.9 |
| I-3 | 14.6 | 364 | 50.9 | 18,500 | 76.5 | 26.2 | 3.7 |
| I-4 | 22.2 | 466 | 52.0 | 24,200 | 75.5 | 25.2 | 4.6 |
| Average | 15.6 | 370 | 45.3 | 17,000 | 78.1 | 25.7 | 3.4 |
| II-1 | 15.1 | 318 | 52.8 | 16,800 | 77.2 | 25.8 | 3.3 |
| II-2 | 13.7 | 355 | 54.6 | 19,400 | 82.5 | 25.7 | 4.1 |
| II-3 | 12.5 | 349 | 53.8 | 18,800 | 81.6 | 25.6 | 3.9 |
| II-4 | 14.3 | 358 | 50.6 | 18,100 | 82.2 | 25.3 | 3.8 |
| Average | 13.9 | 345 | 53.0 | 18,300 | 80.9 | 25.6 | 3.8 |
| Sampling Point No. 6 | | | | | | | |
| I-1 | 18.2 | 564 | 41.9 | 23,600 | 44.0 | 21.8 | 2.3 |
| I-2 | 18.9 | 566 | 31.9 | 18,100 | 61.1 | 23.9 | 2.6 |
| I-3 | 15.9 | 509 | 32.6 | 16,600 | 73.1 | 23.9 | 2.9 |
| I-4 | 15.5 | 465 | 35.9 | 16,700 | 61.1 | 25.2 | 2.6 |
| Average | 17.1 | 526 | 35.6 | 18,800 | 59.8 | 23.7 | 2.6 |
| II-1 | 17.0 | 442 | 39.1 | 17,300 | 75.1 | 24.3 | 3.2 |
| II-2 | 12.3 | 370 | 37.8 | 14,000 | 77.7 | 25.4 | 2.8 |
| II-3 | 14.7 | 442 | 29.5 | 13,100 | 63.4 | 24.8 | 2.1 |
| II-4 | 14.3 | 400 | 36.8 | 14,700 | 59.5 | 25.4 | 2.2 |
| Average | 14.6 | 414 | 35.8 | 14,800 | 68.9 | 25.0 | 2.5 |
| Sampling Point No. 7 | | | | | | | |
| I-1 | 14.8 | 355 | 45.0 | 16,000 | 42.6 | 22.4 | 1.5 |
| I-2 | 16.3 | 440 | 39.5 | 17,400 | 65.0 | 24.0 | 2.7 |
| I-3 | 10.3 | 340 | 40.7 | 13,800 | 66.1 | 26.4 | 2.4 |
| Average | 13.8 | 378 | 41.7 | 15,700 | 57.9 | 24.3 | 2.2 |
| II-1 | 12.8 | 408 | 49.2 | 20,100 | 82.2 | 25.9 | 4.3 |
| II-2 | 10.7 | 299 | 45.5 | 13,600 | 70.8 | 25.6 | 2.5 |
| II-3 | 14.3 | 428 | 56.8 | 24,300 | 79.0 | 25.5 | 4.9 |
| Average | 12.6 | 378 | 50.5 | 19,300 | 77.3 | 25.7 | 3.8 |

## Table F-109 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (3/8)

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 8 | | | | | | | |
| I-1 | 16.6 | 364 | 42.8 | 15,600 | 81.6 | 25.8 | 3.3 |
| I-2 | 17.9 | 358 | 49.5 | 17,700 | 85.3 | 25.6 | 3.9 |
| I-3 | 14.8 | 356 | 42.7 | 15,200 | 84.0 | 26.3 | 3.4 |
| I-4 | 14.9 | 327 | 49.9 | 16,300 | 88.3 | 26.2 | 3.8 |
| Average | 16.0 | 351 | 46.2 | 16,200 | 84.8 | 26.0 | 3.6 |
| II-1 | 12.0 | 289 | 46.3 | 13,400 | 81.6 | 25.8 | 2.8 |
| II-2 | 15.8 | 427 | 56.1 | 23,900 | 83.6 | 26.6 | 5.3 |
| II-3 | 18.4 | 460 | 65.6 | 30,200 | 88.3 | 25.4 | 6.8 |
| II-4 | 13.4 | 335 | 59.2 | 19,800 | 81.4 | 25.5 | 4.1 |
| Average | 14.9 | 378 | 56.8 | 21,800 | 83.7 | 25.8 | 4.7 |
| III-1 | 17.7 | 443 | 54.1 | 24,000 | 76.9 | 25.2 | 4.6 |
| III-2 | 15.3 | 337 | 68.1 | 23,000 | 86.4 | 26.4 | 5.2 |
| III-3 | 18.7 | 411 | 64.1 | 26,300 | 88.9 | 25.9 | 6.1 |
| III-4 | 17.7 | 389 | 70.9 | 27,600 | 81.2 | 26.0 | 5.8 |
| Average | 17.4 | 395 | 64.3 | 25,200 | 83.4 | 25.9 | 5.4 |
| Sampling Point No. 9 | | | | | | | |
| I-1 | 7.6 | 191 | 20.0 | 3,820 | 83.4 | 22.7 | 0.7 |
| I-2 | 8.1 | 202 | 21.3 | 4,300 | 55.0 | 22.5 | 0.5 |
| I-3 | 9.0 | 224 | 16.8 | 3,800 | 53.7 | 22.2 | 0.5 |
| I-4 | 8.8 | 229 | 20.3 | 4,700 | 66.3 | 21.9 | 0.7 |
| Average | 8.4 | 212 | 19.6 | 4,100 | 64.6 | 22.3 | 0.6 |
| II-1 | 14.0 | 378 | 38.6 | 14,600 | 72.7 | 23.9 | 2.5 |
| II-2 | 13.0 | 376 | 47.3 | 17,800 | 67.8 | 24.3 | 2.9 |
| II-3 | 13.7 | 383 | 48.8 | 18,700 | 69.6 | 24.1 | 3.1 |
| II-4 | 11.7 | 455 | 40.8 | 18,600 | 57.2 | 24.3 | 2.6 |
| Average | 13.1 | 398 | 43.9 | 17,400 | 66.8 | 24.1 | 2.8 |
| III-1 | 14.5 | 507 | 41.9 | 21,200 | 81.0 | 24.8 | 4.3 |
| III-2 | 14.2 | 481 | 45.1 | 21,700 | 80.0 | 24.4 | 4.2 |
| III-3 | 16.8 | 570 | 46.2 | 26,500 | 78.2 | 24.7 | 5.1 |
| III-4 | 17.6 | 597 | 43.4 | 25,900 | 77.9 | 24.7 | 5.0 |
| Average | 15.7 | 539 | 44.1 | 23,800 | 79.3 | 24.6 | 4.7 |

Table F-110 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (4/8)

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling point No. 10 | | | | | | | |
| I-1 | 15.5 | 388 | 36.4 | 14,100 | 66.6 | 23.8 | 2.2 |
| I-2 | 18.0 | 396 | 53.2 | 21,100 | 75.6 | 24.0 | 3.8 |
| I-3 | 18.9 | 567 | 45.2 | 25,600 | 70.8 | 24.3 | 4.4 |
| I-4 | 18.7 | 468 | 45.5 | 21,300 | 68.6 | 23.8 | 3.5 |
| Average | 17.8 | 455 | 45.1 | 20,500 | 70.4 | 24.0 | 3.5 |
| II-1 | 20.3 | 467 | 50.0 | 23,400 | 73.5 | 23.8 | 4.9 |
| II-2 | 20.0 | 519 | 41.8 | 21,700 | 67.9 | 24.3 | 3.6 |
| II-3 | 18.6 | 428 | 55.5 | 23,700 | 73.0 | 24.5 | 4.2 |
| II-4 | 20.4 | 489 | 52.0 | 25,400 | 69.9 | 24.6 | 4.4 |
| Average | 19.8 | 476 | 49.8 | 23,600 | 71.1 | 24.3 | 4.1 |
| III-1 | 17.8 | 446 | 56.5 | 25,200 | 71.2 | 24.7 | 4.4 |
| III-2 | 17.2 | 464 | 62.4 | 29,000 | 68.3 | 24.2 | 4.8 |
| III-3 | 17.5 | 472 | 53.0 | 25,000 | 60.1 | 24.2 | 3.6 |
| III-4 | 16.7 | 417 | 55.7 | 23,200 | 71.7 | 24.1 | 4.0 |
| Average | 17.3 | 450 | 56.9 | 25,600 | 67.8 | 24.3 | 4.2 |
| Sampling Point No. 11 | | | | | | | |
| I-1 | 16.6 | 415 | 23.2 | 9,600 | 64.7 | 21.0 | 1.3 |
| I-2 | 21.4 | 534 | 34.9 | 18,600 | 74.3 | 22.3 | 3.1 |
| I-3 | 21.9 | 547 | 35.0 | 19,100 | 69.4 | 22.6 | 3.0 |
| I-4 | 21.8 | 544 | 31.9 | 17,400 | 60.7 | 21.9 | 2.3 |
| I-5 | 18.6 | 484 | 41.2 | 19,900 | 71.0 | 22.8 | 3.2 |
| Average | 20.0 | 505 | 33.2 | 16,900 | 68.0 | 22.1 | 2.6 |
| II-1 | 16.2 | 404 | 44.4 | 17,900 | 64.5 | 23.5 | 2.7 |
| II-2 | 19.6 | 489 | 52.2 | 25,500 | 71.2 | 23.8 | 4.3 |
| II-3 | 17.8 | 516 | 42.7 | 22,000 | 72.4 | 23.9 | 3.8 |
| II-4 | 19.0 | 474 | 35.0 | 16,600 | 68.0 | 22.4 | 2.5 |
| II-5 | 22.2 | 532 | 39.7 | 21,100 | 60.4 | 21.9 | 2.8 |
| Average | 18.9 | 483 | 42.8 | 20,600 | 67.3 | 23.1 | 3.2 |

Table F-111 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (5/8)

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 12 | | | | | | | |
| I-1 | 10.6 | 254 | 80.8 | 20,500 | 68.6 | 24.2 | 3.4 |
| I-2 | 11.2 | 281 | 78.9 | 22,200 | 72.1 | 25.0 | 4.0 |
| I-3 | 12.8 | 306 | 73.8 | 22,600 | 60.4 | 24.3 | 3.3 |
| I-4 | 13.3 | 319 | 77.3 | 24,700 | 64.9 | 24.4 | 3.9 |
| Average | 17.3 | 290 | 77.7 | 22,500 | 66.5 | 24.5 | 3.7 |
| II-1 | 13.6 | 286 | 83.5 | 23,900 | 59.6 | 24.9 | 3.6 |
| II-2 | 13.2 | 317 | 94.6 | 20,000 | 62.0 | 24.6 | 3.1 |
| II-3 | 11.4 | 285 | 96.5 | 27,500 | 56.7 | 23.9 | 3.7 |
| II-4 | 13.9 | 305 | 90.6 | 27,600 | 56.3 | 24.9 | 3.9 |
| Average | 17.3 | 298 | 91.3 | 24,800 | 58.6 | 24.6 | 3.6 |
| Sampling Point No. 13 | | | | | | | |
| I-1 | 9.4 | 217 | 90.5 | 19,600 | 87.8 | 20.1 | 3.5 |
| I-2 | 11.2 | 326 | 81.8 | 26,700 | 63.7 | 18.2 | 3.1 |
| I-3 | 12.0 | 300 | 87.1 | 26,100 | 67.5 | 18.6 | 3.3 |
| I-4 | 12.7 | 317 | 79.7 | 25,300 | 79.1 | 18.4 | 3.7 |
| Average | 11.3 | 294 | 84.8 | 24,900 | 74.5 | 18.8 | 3.5 |
| II-1 | 12.1 | 302 | 77.4 | 23,400 | 90.4 | 19.7 | 4.2 |
| II-2 | 10.8 | 260 | 76.3 | 19,800 | 89.0 | 19.2 | 3.4 |
| II-3 | 11.0 | 297 | 87.3 | 25,900 | 88.2 | 18.8 | 4.3 |
| II-4 | 15.2 | 303 | 86.4 | 26,200 | 90.1 | 19.3 | 4.6 |
| Average | 12.3 | 276 | 81.9 | 22,600 | 89.4 | 19.3 | 3.9 |
| III-1 | 12.9 | 323 | 89.4 | 28,900 | 88.3 | 19.8 | 5.1 |
| III-2 | 11.6 | 312 | 75.4 | 23,500 | 80.7 | 19.0 | 3.6 |
| III-3 | 11.4 | 228 | 65.5 | 14,900 | 84.6 | 18.3 | 2.3 |
| III-4 | 10.5 | 241 | 73.0 | 17,600 | 87.3 | 18.3 | 2.8 |
| Average | 11.6 | 260 | 75.8 | 19,700 | 85.2 | 18.9 | 3.2 |

**Table F-112 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (6/8)**

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 14 | | | | | | | |
| I-1 | 8.2 | 205 | 68.3 | 14,000 | 71.2 | 18.3 | 1.8 |
| I-2 | 12.6 | 314 | 81.3 | 25,500 | 74.8 | 18.6 | 3.6 |
| I-3 | 14.0 | 350 | 87.0 | 30,500 | 77.0 | 18.6 | 4.4 |
| I-4 | 16.7 | 400 | 79.7 | 31,900 | 75.4 | 18.5 | 4.5 |
| Average | 12.9 | 272 | 79.1 | 21,500 | 74.6 | 18.5 | 3.0 |
| II-1 | 15.0 | 345 | 93.1 | 32,100 | 74.1 | 19.1 | 4.5 |
| II-2 | 14.1 | 324 | 103.3 | 33,500 | 77.4 | 19.2 | 5.0 |
| II-3 | 16.9 | 337 | 91.8 | 30,900 | 74.8 | 19.1 | 4.4 |
| II-4 | 14.2 | 382 | 100.5 | 38,400 | 71.8 | 19.3 | 5.3 |
| Average | 15.0 | 345 | 97.2 | 33,500 | 74.5 | 19.2 | 4.8 |
| Sampling Point No. 15 | | | | | | | |
| I-1 | 14.4 | 345 | 83.2 | 28,700 | 65.5 | 19.3 | 3.6 |
| I-2 | 11.6 | 256 | 91.3 | 23,400 | 64.8 | 19.1 | 2.9 |
| I-3 | 16.5 | 347 | 98.5 | 34,200 | 67.3 | 19.7 | 4.5 |
| I-4 | 12.5 | 326 | 75.1 | 24,500 | 53.6 | 19.2 | 2.5 |
| Average | 13.8 | 308 | 87.0 | 26,800 | 62.8 | 19.3 | 3.2 |
| II-1 | 16.6 | 315 | 87.5 | 27,600 | 64.1 | 19.7 | 3.5 |
| II-2 | 15.7 | 376 | 93.4 | 35,100 | 76.7 | 20.1 | 5.4 |
| II-3 | 13.3 | 359 | 102.8 | 36,900 | 72.0 | 20.4 | 5.4 |
| II-4 | 17.5 | 506 | 93.4 | 47,300 | 72.5 | 20.4 | 7.0 |
| Average | 15.8 | 378 | 94.3 | 35,600 | 71.3 | 20.2 | 5.1 |
| III-1 | 11.1 | 278 | 65.4 | 18,200 | 87.4 | 21.2 | 3.4 |
| III-2 | 18.9 | 435 | 69.3 | 30,100 | 71.8 | 20.8 | 4.5 |
| III-3 | 12.7 | 305 | 79.4 | 24,200 | 85.0 | 20.3 | 4.2 |
| III-4 | 16.7 | 433 | 76.0 | 32,900 | 77.9 | 20.8 | 5.3 |
| Average | 14.9 | 359 | 72.5 | 26,000 | 80.5 | 20.8 | 4.4 |

Table F-113 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (7/8)

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 16 | | | | | | | |
| I-1 | 11.7 | 315 | 115.6 | 36,400 | 84.2 | 20.1 | 6.2 |
| I-2 | 15.9 | 366 | 78.5 | 28,700 | 81.8 | 19.4 | 4.6 |
| I-3 | 11.0 | 298 | 73.8 | 22,000 | 78.4 | 19.5 | 3.4 |
| I-4 | 17.8 | 355 | 84.6 | 30,000 | 83.3 | 20.1 | 5.0 |
| Average | 14.1 | 327 | 88.1 | 28,800 | 81.9 | 19.8 | 4.7 |
| II-1 | 17.2 | 396 | 75.0 | 29,700 | 72.3 | 20.0 | 4.3 |
| II-2 | 17.1 | 410 | 80.7 | 33,100 | 75.9 | 20.1 | 5.1 |
| II-3 | 12.8 | 319 | 102.8 | 32,800 | 87.0 | 20.5 | 5.9 |
| II-4 | 15.3 | 368 | 91.1 | 33,500 | 85.1 | 20.6 | 5.9 |
| Average | 15.6 | 443 | 87.4 | 32,300 | 80.1 | 20.3 | 5.3 |
| III-1 | 16.0 | 449 | 95.7 | 43,000 | 79.2 | 20.5 | 7.0 |
| III-2 | 16.9 | 338 | 102.7 | 34,700 | 84.9 | 20.3 | 6.0 |
| III-3 | 16.5 | 330 | 68.9 | 22,700 | 79.9 | 20.8 | 3.7 |
| III-4 | 16.2 | 341 | 95.4 | 32,500 | 79.0 | 20.6 | 5.3 |
| Average | 16.4 | 400 | 90.7 | 36,300 | 80.8 | 20.6 | 6.0 |
| Sampling Point No. 17 | | | | | | | |
| I-1 | 15.9 | 333 | 48.9 | 16,300 | 70.5 | 22.2 | 2.6 |
| I-2 | 14.1 | 338 | 50.2 | 17,000 | 69.7 | 22.6 | 2.7 |
| I-3 | 18.0 | 360 | 46.3 | 16,700 | 72.4 | 22.0 | 2.7 |
| I-4 | 17.0 | 339 | 55.6 | 18,800 | 79.6 | 23.3 | 3.5 |
| Average | 16.2 | 415 | 50.3 | 17,200 | 73.1 | 22.5 | 2.9 |
| II-1 | 21.9 | 591 | 42.2 | 24,900 | 73.3 | 23.8 | 4.3 |
| II-2 | 16.8 | 454 | 41.9 | 19,000 | 75.6 | 23.5 | 3.4 |
| II-3 | 15.1 | 362 | 44.8 | 16,200 | 84.7 | 24.1 | 3.3 |
| II-4 | 18.7 | 411 | 46.2 | 19,000 | 76.4 | 23.2 | 3.4 |
| Average | 18.1 | 483 | 43.8 | 21,200 | 77.5 | 23.7 | 3.9 |
| III-1 | 23.8 | 643 | 50.2 | 32,300 | 73.9 | 23.1 | 5.5 |
| III-2 | 20.3 | 590 | 37.9 | 22.400 | 76.8 | 22.2 | 3.8 |
| III-3 | 20.8 | 458 | 34.9 | 16,000 | 74.5 | 24.2 | 2.9 |
| III-4 | 23.7 | 498 | 41.6 | 20,700 | 71.5 | 23.7 | 3.5 |
| Average | 22.2 | 597 | 41.1 | 24,500 | 74.2 | 23.3 | 4.2 |

**Table F-114 RESULT OF ANALYSIS ON YIELD COMPONENTS OF WET SEASON PADDY IN ARIS (8/8)**

| Sample No. | No. of Panicles per Hill | No. of Panicles per m² | No. of Grains per Panicle | No. of Grains per m² | Percent of Ripened Grains (%) | Weight of 1,000 Ripened Grains (g) | Unit Yield (ton/ha) |
|---|---|---|---|---|---|---|---|
| Sampling Point No. 18 | | | | | | | |
| I-1 | 14.9 | 432 | 30.8 | 13,300 | 71.3 | 22.4 | 2.1 |
| I-2 | 14.0 | 335 | 53.3 | 17,900 | 71.4 | 22.4 | 2.9 |
| I-3 | 19.7 | 413 | 49.2 | 20,300 | 78.7 | 22.2 | 3.6 |
| I-4 | 19.2 | 403 | 49.2 | 19,800 | 80.5 | 22.9 | 3.7 |
| Average | 16.9 | 444 | 45.6 | 20,200 | 75.5 | 22.5 | 3.4 |
| II-1 | 17.4 | 486 | 38.4 | 18,700 | 68.8 | 23.2 | 3.0 |
| II-2 | 19.5 | 584 | 47.5 | 27,700 | 78.1 | 22.6 | 4.9 |
| II-3 | 17.9 | 465 | 47.8 | 22,200 | 80.3 | 22.3 | 4.0 |
| II-4 | 13.7 | 287 | 70.2 | 20,100 | 78.3 | 22.4 | 3.5 |
| Average | 17.1 | 469 | 51.0 | 23,900 | 76.4 | 22.6 | 4.0 |
| III-1 | 18.5 | 407 | 58.8 | 23,900 | 79.0 | 22.3 | 4.2 |
| III-2 | 18.6 | 353 | 59.9 | 21,100 | 73.2 | 22.2 | 3.4 |
| III-3 | 18.8 | 489 | 47.6 | 23,300 | 75.9 | 21.9 | 3.9 |
| III-4 | 18.2 | 382 | 53.3 | 20,400 | 78.7 | 21.1 | 3.4 |
| Average | 18.5 | 438 | 54.9 | 24,000 | 76.7 | 21.9 | 4.0 |

Table F-115 NUTRIENT UPTAKE BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 2 IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 1.63 | 0.147 | 0.19 | 25.5 |
| | II | 1.24 | 0.115 | 0.97 | 19.9 |
| | III | 1.18 | 0.111 | 1.02 | 17.0 |
| | IV | 1.30 | 0.088 | 0.87 | 15.6 |
| Stem | I | 0.91 | 0.147 | 1.34 | 17.9 |
| | II | 0.60 | 0.133 | 1.25 | 7.7 |
| | III | 0.93 | 0.117 | 1.23 | 12.5 |
| | IV | 0.51 | 0.088 | 1.31 | 6.9 |
| Brown rice | I | 1.50 | 0.313 | 0.27 | 0.4 |
| | II | 1.28 | 0.374 | 0.32 | 0.3 |
| | III | 1.42 | 0.360 | 0.28 | 0.4 |
| | IV | 1.32 | 0.394 | 0.26 | 0.6 |
| Chaff | I | 0.95 | 0.194 | 0.33 | 14.8 |
| | II | 0.75 | 0.218 | 0.48 | 15.1 |
| | II | 0.94 | 0.304 | 0.37 | 11.3 |
| | IV | 1.07 | 0.192 | 0.32 | 11.9 |

Table F-116 NUTRIENT UPTAKE BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 4 IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 0.82 | 0.097 | 0.82 | 19.1 |
| | II | 1.03 | 0.093 | 0.90 | 20.9 |
| | III | 0.93 | 0.088 | 0.81 | 19.8 |
| | IV | 1.54 | 0.118 | 1.09 | 15.9 |
| Stem | I | 0.59 | 0.082 | 1.46 | 13.8 |
| | II | 0.67 | 0.105 | 1.14 | 18.9 |
| | III | 0.64 | 0.083 | 0.96 | 13.3 |
| | IV | 0.86 | 0.121 | 1.03 | 19.8 |
| Brown rice | I | 1.74 | 0.217 | 0.12 | 0.6 |
| | II | 1.57 | 0.394 | 0.25 | 0.5 |
| | III | 1.66 | 0.323 | 0.23 | 0.2 |
| | IV | 1.98 | 0.404 | 0.27 | 0.2 |
| Chaff | I | 1.21 | 0.283 | 0.42 | 11.2 |
| | II | 1.47 | 0.174 | 0.35 | 16.3 |
| | III | 1.26 | 0.241 | 0.39 | 12.6 |
| | IV | 1.20 | 0.210 | 0.38 | 12.7 |

**Table F-117 NUTRIENT UPTAKE BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 6 IN ARIS**

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 1.08 | 0.103 | 0.84 | 18.9 |
| | II | 1.01 | 0.101 | 0.61 | 19.8 |
| | III | 0.88 | 0.100 | 0.53 | 17.6 |
| | IV | 1.04 | 0.127 | 0.88 | 16.7 |
| Stem | I | 0.61 | 0.131 | 1.04 | 10.1 |
| | II | 0.56 | 0.142 | 1.11 | 17.1 |
| | III | 0.44 | 0.120 | 1.21 | 14.3 |
| | IV | 0.35 | 0.135 | 1.55 | 19.0 |
| Brown rice | I | 1.52 | 0.400 | 0.25 | 0.6 |
| | II | 1.38 | 0.360 | 0.23 | 0.6 |
| | III | 1.35 | 0.342 | 0.24 | 0.4 |
| | IV | 1.70 | 0.388 | 0.23 | 0.8 |
| Chaff | I | 0.70 | 0.145 | 0.40 | 15.3 |
| | II | 1.02 | 0.209 | 0.46 | 15.8 |
| | III | 1.50 | 0.177 | 0.43 | 14.9 |
| | IV | 1.17 | 0.191 | 0.45 | 12.3 |

Table F-118 NUTRIENT UPTAKE BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 8 IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 0.83 | 0.076 | 0.71 | 20.4 |
| | II | 0.76 | 0.091 | 0.80 | 16.1 |
| | III | 0.77 | 0.088 | 0.80 | 21.0 |
| Stem | I | 0.49 | 0.087 | 1.30 | 23.9 |
| | II | 0.53 | 0.150 | 1.06 | 17.7 |
| | III | 0.50 | 0.092 | 0.83 | 22.0 |
| Brown rice | I | 1.49 | 0.245 | 0.24 | 0.8 |
| | II | 1.46 | 0.346 | 0.24 | 1.0 |
| | III | 1.51 | 0.358 | 0.23 | 1.1 |
| Chaff | I | 1.24 | 0.173 | 0.46 | 13.8 |
| | II | 1.60 | 0.225 | 0.45 | 12.6 |
| | III | 1.15 | 0.232 | 0.45 | 11.5 |

Table F-119 NUTRIENT UPTAKE BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 12 IN ARIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 1.37 | 0.078 | 0.63 | 17.6 |
| | II | 1.19 | 0.113 | 0.44 | 22.5 |
| | III | 1.15 | 0.114 | 0.90 | 19.2 |
| | IV | 1.03 | 0.100 | 0.69 | 21.2 |
| Stem | I | 0.49 | 0.069 | 1.08 | 18.0 |
| | II | 0.56 | 0.095 | 1.13 | 14.9 |
| | III | 0.46 | 0.108 | 1.05 | 16.3 |
| | IV | 0.60 | 0.100 | 1.03 | 15.1 |
| Brown rice | I | 1.61 | 0.308 | 0.18 | 0.4 |
| | II | 1.65 | 0.379 | 0.24 | 0.7 |
| | III | 1.78 | 0.409 | 0.26 | 0.7 |
| | IV | 2.02 | 0.430 | 0.25 | 1.5 |
| Chaff | I | 0.76 | 0.145 | 0.28 | 14.2 |
| | II | 1.10 | 0.222 | 0.44 | 12.5 |
| | III | 1.11 | 0.216 | 0.47 | 13.1 |
| | IV | 1.38 | 0.277 | 0.37 | 10.2 |

Table F-120 NUTRIENT UPTAKE BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 10 IN ADRIS

Unit: %

| Plant Part | Plot No. | N | P | K | $SiO_2$ |
|---|---|---|---|---|---|
| Leaf | I | 2.12 | 0.172 | 0.75 | 21.1 |
| | II | 1.45 | 0.157 | 1.16 | 19.0 |
| | III | 1.99 | 0.155 | 0.81 | 21.1 |
| | IV | 1.66 | 0.153 | 0.99 | 20.3 |
| Stem | I | 1.13 | 0.135 | 1.12 | 21.9 |
| | II | 1.02 | 0.161 | 1.26 | 17.8 |
| | III | 1.10 | 0.140 | 1.05 | 21.7 |
| | IV | 1.17 | 0.154 | 1.32 | 17.2 |
| Brown rice | I | 2.03 | 0.411 | 0.27 | 1.2 |
| | II | 2.03 | 0.408 | 0.27 | 1.2 |
| | III | 2.54 | 0.447 | 0.27 | 1.0 |
| | IV | 2.00 | 0.430 | 0.27 | 0.8 |
| Chaff | I | 1.54 | 0.283 | 0.52 | 11.1 |
| | II | 1.44 | 0.291 | 0.50 | 10.1 |
| | III | 1.71 | 0.279 | 0.50 | 12.9 |
| | IV | 1.41 | 0.240 | 0.53 | 10.5 |

## Table F-121 HEAVY METALS ABSORBED BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 2 IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 49.4 | 2.43 | 25.4 | 0.06 | — |
| | II | 10.8 | 2.05 | 18.7 | 0.11 | — |
| | III | 12.1 | 2.56 | 25.4 | 0.11 | — |
| | IV | 13.9 | 1.85 | 17.0 | 0.04 | — |
| Stem | I | 75.2 | 4.37 | 37.3 | 0.24 | — |
| | II | 57.8 | 3.09 | 60.9 | 0.47 | — |
| | III | 34.8 | 2.51 | 60.1 | 0.25 | — |
| | IV | 45.5 | 3.63 | 24.4 | 0.33 | — |
| Brown rice | I | 8.2 | 0.76 | 37.3 | 0.34 | — |
| | II | 6.2 | 0.37 | 30.9 | 0.32 | — |
| | III | 5.8 | + | 28.3 | 0.40 | — |
| | IV | 5.5 | 0.19 | 27.7 | 0.40 | — |
| Chaff | I | 13.1 | + | 44.4 | 0.44 | — |
| | II | 5.3 | + | 42.1 | 0.51 | — |
| | III | 5.3 | + | 40.0 | 0.40 | — |
| | IV | 6.8 | + | 20.0 | 0.42 | — |
| Root | I | 509 | 10.9 | 167 | 1.24 | 0.004 |
| | II | 174 | 12.9 | 155 | 1.22 | 0.021 |
| | III | 167 | 17.5 | 89.2 | 0.98 | 0.005 |
| | IV | 200 | 19.8 | 62.6 | 0.93 | 0.009 |

Remarks; + : Trace
— : Not analyzed

Table F-122 HEAVY METALS ABSORBED BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 4 IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 28.7 | 2.22 | 23.3 | 0.07 | — |
| | II | 27.5 | 2.89 | 25.3 | 0.15 | — |
| | III | 48.8 | 3.31 | 28.7 | 0.17 | — |
| | IV | 17.8 | 2.57 | 23.7 | 0.15 | — |
| Stem | I | 47.2 | 4.18 | 47.2 | 0.40 | — |
| | II | 38.8 | 2.20 | 36.1 | 0.59 | — |
| | III | 66.9 | 2.62 | 45.4 | 0.52 | — |
| | IV | 40.9 | 2.00 | 43.6 | 0.69 | — |
| Brown rice | I | 3.0 | 1.14 | 14.3 | 0.04 | — |
| | II | 5.3 | + | 30.7 | 0.13 | — |
| | III | 5.3 | 1.71 | 26.4 | 0.17 | — |
| | IV | 5.0 | 1.88 | 31.7 | 0.13 | — |
| Chaff | I | 6.7 | 1.11 | 26.4 | 0.09 | — |
| | II | 5.2 | 0.37 | 43.4 | 0.13 | — |
| | III | 6.5 | 1.67 | 34.3 | 0.15 | — |
| | IV | 5.0 | 0.37 | 34.6 | 0.15 | — |
| Root | I | 906 | 24.3 | 82.1 | 1.43 | 0.005 |
| | II | 490 | 20.6 | 86.7 | 2.40 | 0.019 |
| | III | 511 | 47.8 | 75.8 | 1.72 | 0.013 |
| | IV | 611 | 56.2 | 71.4 | 2.83 | 0.013 |

Remarks; + : Trace
— : Not analyzed

Table F-123 HEAVY METALS ABSORBED BY WET SEASON PADDY GROWN AT MONITORING POINT No. 6 IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 36.4 | 4.21 | 22.7 | 0.06 | — |
| | II | 19.5 | 1.84 | 19.5 | 0.04 | — |
| | III | 10.9 | 9.08 | 19.8 | 0.06 | — |
| | IV | 8.6 | 1.80 | 20.5 | 0.07 | — |
| Stem | I | 60.3 | 1.92 | 39.3 | 0.07 | — |
| | II | 44.2 | 2.17 | 55.3 | 0.09 | — |
| | III | 55.6 | 1.02 | 52.7 | 0.12 | — |
| | IV | 50.9 | 2.55 | 47.4 | 0.18 | — |
| Brown rice | I | 6.6 | 0.99 | 28.9 | + | — |
| | II | 4.6 | + | 28.3 | + | — |
| | III | 3.8 | 0.57 | 20.2 | + | — |
| | IV | 4.0 | 1.14 | 17.6 | 0.04 | — |
| Chaff | I | 7.9 | 0.37 | 96.3 | + | — |
| | II | 5.3 | 0.37 | 43.1 | 0.06 | — |
| | III | 4.0 | + | 52.7 | 0.07 | — |
| | IV | 4.6 | 0.91 | 43.7 | 0.07 | — |
| Root | I | 505 | 7.80 | 69.6 | 0.66 | 0.014 |
| | II | 256 | 6.43 | 72.6 | 0.62 | 0.006 |
| | III | 109 | 4.59 | 55.7 | 0.55 | 0.011 |
| | IV | 149 | 4.60 | 65.7 | 0.10 | 0.010 |

Remarks; + : Trace
— : Not analyzed

Table F-124 HEAVY METALS ABSORBED BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 8 IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 36.6 | 1.63 | 23.6 | 0.04 | — |
| | II | 32.6 | 5.45 | 28.6 | 0.18 | — |
| | III | 26.1 | 2.76 | 27.0 | 0.11 | — |
| Stem | I | 75.4 | 0.73 | 40.1 | 0.11 | — |
| | II | 44.2 | 2.78 | 63.8 | 0.50 | — |
| | III | 38.7 | 1.80 | 68.3 | 0.67 | — |
| Brown rice | I | 5.5 | 0.95 | 25.7 | 0.06 | — |
| | II | 6.1 | 1.91 | 29.5 | 0.19 | — |
| | III | 5.1 | 0.38 | 27.7 | 0.15 | — |
| Chaff | I | 5.3 | 0.18 | 45.6 | 0.04 | — |
| | II | 5.9 | 0.74 | 40.4 | 0.18 | — |
| | III | 4.8 | 0.89 | 40.9 | 0.18 | — |
| Root | I | 352 | 7.80 | 49.0 | 0.52 | 0.014 |
| | II | 439 | 18.3 | 21.4 | 1.71 | 0.014 |
| | III | 230 | 14.4 | 70.0 | 2.63 | 0.006 |

Remarks; — Not analyzed

Table F-125 HEAVY METALS ABSORBED BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 12 IN ARIS

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 9.6 | 4.99 | 24.8 | 0.04 | — |
| | II | 9.8 | 5.45 | 17.8 | 0.04 | — |
| | III | 10.8 | 3.67 | 22.4 | 0.02 | — |
| | IV | 17.2 | 4.57 | 23.0 | 0.05 | — |
| Stem | I | 54.1 | 1.64 | 62.0 | 0.35 | — |
| | II | 48.1 | 3.74 | 44.5 | 0.45 | — |
| | III | 34.0 | 1.30 | 36.4 | 0.19 | — |
| | IV | 31.4 | 1.12 | 62.5 | 0.28 | — |
| Brown rice | I | 8.8 | 0.76 | 29.3 | 0.04 | — |
| | II | 6.1 | 2.30 | 26.8 | 0.12 | — |
| | III | 5.3 | 2.29 | 26.3 | 0.12 | — |
| | IV | 6.1 | 0.95 | 27.0 | 0.11 | — |
| Chaff | I | 6.3 | 0.74 | 58.8 | 0.06 | — |
| | II | 5.9 | 0.19 | 47.1 | 0.09 | — |
| | III | 5.6 | 0.93 | 45.5 | 0.07 | — |
| | IV | 6.7 | 1.05 | 76.3 | 0.08 | — |
| Root | I | 240 | 10.8 | 108 | 2.48 | 0.005 |
| | II | 294 | 33.5 | 92.2 | 4.27 | 0.014 |
| | III | 58.2 | 18.1 | 78.7 | 2.02 | 0.007 |
| | IV | 153 | 16.8 | 66.3 | 2.79 | 0.005 |

Remarks; + : Trace
— : Not analyzed

**Table F-126 HEAVY METALS ABSORBED BY WET SEASON PADDY GROWN AT MONITORING POINT NO. 10 IN ADRIS**

Unit: ppm

| Plant Part | Plot No. | Cu | Pb | Zn | Cd | As |
|---|---|---|---|---|---|---|
| Leaf | I | 8.0 | 2.01 | 22.8 | + | — |
| | II | 5.3 | 1.83 | 22.5 | 0.04 | — |
| | III | 7.1 | 1.27 | 23.5 | 0.02 | — |
| | IV | 6.1 | 2.39 | 25.0 | + | — |
| Stem | I | 10.4 | 1.46 | 61.2 | 0.02 | — |
| | II | 10.3 | 1.68 | 59.9 | 0.02 | — |
| | III | 10.9 | 1.98 | 68.4 | 0.02 | — |
| | IV | 8.9 | 1.95 | 55.5 | 0.02 | — |
| Brown rice | I | 4.9 | 1.90 | 26.9 | 0.06 | — |
| | II | 4.0 | 1.13 | 26.8 | 0.02 | — |
| | III | 5.6 | 0.94 | 29.3 | + | — |
| | IV | 3.4 | 1.32 | 26.0 | 0.02 | — |
| Chaff | I | 4.5 | 1.67 | 31.8 | + | — |
| | II | 4.0 | 0.54 | 28.4 | 0.02 | — |
| | III | 5.4 | 2.79 | 31.3 | + | — |
| | IV | 5.0 | 2.24 | 18.5 | + | — |
| Root | I | 11.3 | 5.89 | 318 | + | 0.009 |
| | II | 10.1 | 7.03 | 141 | + | 0.014 |
| | III | 16.2 | 4.76 | 113 | + | 0.012 |
| | IV | 11.8 | 4.29 | 137 | + | 0.013 |

Remarks; + : Trace
— : Not analyzed

## Table F-127 MONTHLY AVERAGE AREAL RAINFALL ESTIMATED FOR 21 YEARS JUDGED HYDROLOGICALLY RELIABLE

Unit: mm

| Year | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1949 | 1 | 2 | 71 | 42 | 76 | 185 | 442 | 285 | 440 | 294 | 38 | 87 | 1,964 |
| 1950 | 6 | 10 | 75 | 110 | 149 | 294 | 791 | 872 | 360 | 294 | 24 | 23 | 3,008 |
| 1951 | 11 | 12 | 7 | 72 | 208 | 346 | 537 | 733 | 291 | 98 | 49 | 14 | 2,377 |
| 1952 | 11 | 10 | 24 | 110 | 211 | 266 | 426 | 590 | 282 | 104 | 63 | 31 | 2,129 |
| 1953 | 3 | 6 | 41 | 79 | 234 | 278 | 419 | 681 | 194 | 52 | 386 | 38 | 2,410 |
| 1954 | 1 | 20 | 121 | 90 | 87 | 136 | 279 | 418 | 277 | 177 | 259 | 1 | 1,868 |
| 1955 | 5 | 0 | 1 | 163 | 141 | 142 | 291 | 244 | 331 | 139 | 68 | 5 | 1,531 |
| 1956 | 7 | 34 | 7 | 134 | 222 | 153 | 257 | 385 | 717 | 149 | 200 | 38 | 2,304 |
| 1957 | 3 | 0 | 71 | 60 | 89 | 459 | 287 | 378 | 480 | 77 | 64 | 18 | 1,988 |
| 1958 | 15 | 3 | 2 | 71 | 92 | 463 | 581 | 227 | 424 | 184 | 8 | 2 | 2,073 |
| 1960 | 18 | 70 | 17 | 170 | 314 | 211 | 170 | 806 | 541 | 152 | 47 | 9 | 2,523 |
| 1961 | 0 | 0 | 49 | 58 | 195 | 274 | 447 | 435 | 356 | 208 | 44 | 3 | 2,071 |
| 1962 | 1 | 3 | 7 | 75 | 198 | 126 | 1,035 | 352 | 998 | 68 | 34 | 3 | 2,900 |
| 1963 | 4 | 2 | 6 | 4 | 92 | 197 | 274 | 250 | 767 | 50 | 48 | 35 | 2,450 |
| 1964 | 1 | 1 | 40 | 112 | 191 | 302 | 241 | 1,060 | 319 | 397 | 139 | 125 | 2,929 |
| 1965 | 1 | 9 | 86 | 156 | 317 | 330 | 484 | 285 | 270 | 68 | 19 | 0 | 2,026 |
| 1966 | 14 | 4 | 18 | 74 | 596 | 183 | 324 | 367 | 792 | 50 | 140 | 24 | 2,587 |
| 1968 | 2 | 0 | 3 | 108 | 155 | 205 | 629 | 1,279 | 694 | 26 | 45 | 0 | 3,044 |
| 1969 | 3 | 0 | 3 | 59 | 265 | 266 | 765 | 433 | 466 | 154 | 56 | 22 | 2,492 |
| 1971 | 17 | 6 | 2 | 92 | 119 | 397 | 705 | 443 | 220 | 225 | 56 | 38 | 2,320 |
| 1980 | 1 | 3 | 14 | 6 | 480 | 60 | 810 | 200 | 327 | 185 | 474 | 18 | 2,578 |
| Mean | 6 | 9 | 32 | 88 | 211 | 277 | 485 | 511 | 455 | 150 | 108 | 25 | 2,361 |

## Table F-128 PROPOSED IRRIGATION AREA BY SYSTEM UNDER SAN ROQUE MULTIPURPOSE PROJECT

| Cropping Pattern | ARIS | | ARIS Extension | | ADRIS | | LARIS | |
|---|---|---|---|---|---|---|---|---|
| | % | ha | % | ha | % | ha | % | ha |
| 1. Paddy/Paddy | 47 | 12,620 | 35 | 8,300 | 25 | 1,900 | 36 | 4,550 |
| 2. Paddy/Tabacco | 8 | 2,150 | 9 | 2,130 | 19 | 1,440 | 18 | 2,280 |
| 3. Paddy/Cotton | 16 | 4,300 | 28 | 6,640 | 21 | 1,600 | 21 | 2,660 |
| 4. Paddy/Corn | 17 | 4,560 | 17 | 4,030 | 17 | 1,300 | 17 | 2,150 |
| 5. Paddy/Vegetables (2 crops) | 3 | 800 | 5 | 1,180 | 14 | 1,060 | 3 | 380 |
| 6. Vegetables (3 crops) | 1 | 270 | 1 | 240 | 4 | 300 | 1 | 130 |
| 7. Sugarcane | 8 | 2,150 | 5 | 1,180 | — | — | 4 | 500 |
| Total | 100 | 26,850 | 100 | 23,700 | 100 | 7,600 | 100 | 12,650 |

## Table F-129 IRRIGATION DIVERSION REQUIREMENT FOR CROPPING PATTERNS OF PADDY-PADDY AND PADDY-TOBACCO

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) Paddy-Paddy | | | | | | | | | | | | | |
| 1 | | | | | | | | | 563 | 216 | 2,425 | 3,325 | — |
| 2 | 5,565 | 3,552 | 1,460 | 0 | 0 | 1,617 | 1,076 | 768 | 545 | 216 | 2,344 | 3,633 | 20,776 |
| 3 | 5,478 | 3,533 | 1,669 | 0 | 0 | 1,655 | 1,102 | 786 | 767 | 564 | 2,326 | 3,754 | 21,634 |
| 4 | 5,568 | 3,552 | 1,634 | 0 | 0 | 1,712 | 1,619 | 824 | 676 | 523 | 2,283 | 3,585 | 21,976 |
| 5 | 5,538 | 3,677 | 1,586 | 0 | 0 | 1,634 | 1,470 | 901 | 991 | 654 | 1,675 | 3,508 | 21,634 |
| 6 | 5,266 | 3,501 | 1,381 | 0 | 0 | 1,914 | 2,355 | 1,398 | 606 | 218 | 2,005 | 3,843 | 22,487 |
| 7 | 5,571 | 3,766 | 1,688 | 0 | 0 | 1,839 | 2,099 | 1,526 | 1,319 | 345 | 2,253 | 3,785 | 24,191 |
| 8 | 5,558 | 3,359 | 1,647 | 0 | 0 | 1,850 | 2,101 | 1,446 | 440 | 568 | 1,617 | 3,535 | 22,121 |
| 9 | 5,269 | 3,721 | 1,459 | 0 | 0 | 1,488 | 1,616 | 1,651 | 530 | 589 | 2,264 | 3,815 | 22,402 |
| 10 | 5,442 | 3,704 | 1,675 | 0 | 0 | 1,304 | 859 | 1,672 | 537 | 160 | 2,320 | 3,993 | 21,666 |
| 11 | 5,453 | 3,291 | 1,374 | 0 | 0 | 1,545 | 1,928 | 903 | 518 | 407 | 2,265 | 3,935 | 21,619 |
| 12 | 5,703 | 3,764 | 1,374 | 0 | 0 | 1,702 | 1,044 | 1,547 | 545 | 169 | 2,269 | 3,903 | 22,020 |
| 13 | 5,704 | 3,774 | 1,636 | 0 | 0 | 1,841 | 1,292 | 1,261 | 634 | 499 | 2,367 | 4,064 | 23,072 |
| 14 | 5,691 | 3,756 | 1,688 | 0 | 0 | 648 | 796 | 1,500 | 378 | 621 | 2,354 | 3,752 | 21,184 |
| 15 | 5,589 | 3,748 | 1,483 | 0 | 0 | 1,599 | 1,719 | 749 | 583 | 262 | 1,940 | 2,897 | 20,569 |
| 16 | 5,236 | 3,605 | 1,461 | 0 | 0 | 1,124 | 999 | 1,321 | 557 | 606 | 2,430 | 4,196 | 21,535 |
| 17 | 5,647 | 3,719 | 1,582 | 0 | 0 | 1,611 | 1,284 | 1,098 | 605 | 602 | 2,179 | 3,591 | 21,918 |
| 18 | 5,702 | 3,781 | 1,639 | 0 | 0 | 1,838 | 1,416 | 859 | 554 | 717 | 2,483 | 4,039 | 23,028 |
| 19 | 5,672 | 3,754 | 1,677 | 0 | 0 | 1,710 | 1,224 | 1,484 | 589 | 218 | 2,289 | 3,674 | 22,291 |
| 20 | 5,448 | 3,677 | 1,675 | 0 | 0 | 1,214 | 1,320 | 1,476 | 774 | 217 | 2,289 | 3,508 | 21,598 |
| 21 | 5,449 | 3,739 | 1,602 | 0 | 0 | 1,740 | 1,080 | 1,586 | 951 | 160 | 1,600 | 3,815 | 21,722 |
| Mean | 5,527 | 3,649 | 1,570 | 0 | 0 | 1,579 | 1,420 | 1,238 | 655 | 416 | 2,178 | 3,741 | 21,972 |
| 2) Paddy-Tobacco | | | | | | | | | | | | | |
| 1 | | | | | | | | | 595 | 489 | 0 | 459 | — |
| 2 | 2,808 | 3,138 | 1,874 | 803 | 0 | 1,395 | 1,598 | 611 | 545 | 489 | 2 | 669 | 13,932 |
| 3 | 2,608 | 3,111 | 2,723 | 858 | 0 | 1,400 | 1,572 | 715 | 589 | 948 | 4 | 990 | 15,518 |
| 4 | 2,711 | 3,138 | 2,645 | 803 | 0 | 1,421 | 2,019 | 766 | 530 | 918 | 2 | 772 | 15,725 |
| 5 | 2,670 | 3,289 | 2,525 | 834 | 0 | 1,421 | 1,743 | 858 | 913 | 1,040 | 0 | 226 | 15,519 |
| 6 | 2,664 | 3,093 | 1,949 | 617 | 0 | 1,555 | 2,805 | 1,443 | 582 | 540 | 0 | 663 | 15,911 |
| 7 | 2,824 | 3,248 | 2,421 | 358 | 0 | 1,589 | 2,571 | 1,620 | 1,319 | 666 | 0 | 954 | 17,570 |
| 8 | 2,792 | 2,803 | 2,311 | 476 | 0 | 1,539 | 2,647 | 1,499 | 321 | 963 | 0 | 0 | 15,351 |
| 9 | 2,029 | 3,252 | 1,964 | 484 | 0 | 1,492 | 1,942 | 1,484 | 479 | 980 | 1 | 961 | 15,068 |
| 10 | 2,751 | 3,159 | 2,392 | 518 | 0 | 1,134 | 1,322 | 1,517 | 507 | 396 | 49 | 1,268 | 15,013 |
| 11 | 2,781 | 2,799 | 1,816 | 221 | 0 | 1,297 | 2,398 | 716 | 542 | 707 | 49 | 1,120 | 14,446 |
| 12 | 2,950 | 3,267 | 1,940 | 514 | 0 | 1,455 | 1,403 | 1,342 | 545 | 403 | 12 | 1,172 | 15,003 |
| 13 | 2,951 | 3,144 | 1,870 | 320 | 0 | 1,561 | 1,873 | 1,212 | 812 | 870 | 93 | 1,365 | 16,071 |
| 14 | 2,952 | 3,124 | 1,921 | 366 | 0 | 625 | 915 | 1,326 | 410 | 1,004 | 99 | 959 | 13,701 |
| 15 | 2,863 | 3,140 | 1,673 | 321 | 0 | 1,369 | 2,395 | 506 | 590 | 575 | 16 | 0 | 13,448 |
| 16 | 1,608 | 3,063 | 1,625 | 219 | 0 | 1,232 | 1,140 | 1,176 | 547 | 1,024 | 190 | 1,534 | 13,358 |
| 17 | 2,918 | 3,066 | 1,786 | 270 | 0 | 1,330 | 1,790 | 883 | 634 | 978 | 0 | 518 | 14,173 |
| 18 | 3,052 | 3,135 | 1,893 | 299 | 0 | 1,522 | 1,971 | 970 | 596 | 1,109 | 301 | 1,182 | 16,030 |
| 19 | 2,949 | 2,908 | 1,561 | 104 | 0 | 1,411 | 1,636 | 1,286 | 682 | 466 | 38 | 820 | 13,861 |
| 20 | 2,766 | 3,289 | 2,392 | 582 | 0 | 1,183 | 1,804 | 1,357 | 565 | 478 | 38 | 226 | 14,680 |
| 21 | 2,522 | 3,152 | 1,817 | 371 | 0 | 1,376 | 1,610 | 1,422 | 955 | 396 | 0 | 961 | 14,582 |
| Mean | 2,708 | 3,116 | 2,055 | 467 | 0 | 1,365 | 1,858 | 1,135 | 633 | 748 | 45 | 818 | 14,948 |

## Table F-130 IRRIGATION DIVERSION REQUIREMENT FOR CROPPING PATTERNS OF PADDY-DIVERSIFIED CROPS (COTTON AND CORN)

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) Paddy-Cotton | | | | | | | | | | | | | |
| 1 | | | | | | | | | 330 | 52 | 0 | 830 | — |
| 2 | 3,470 | 3,456 | 1,788 | 669 | 0 | 1,865 | 1,930 | 830 | 381 | 52 | 4 | 1,390 | 15,835 |
| 3 | 3,085 | 3,405 | 2,617 | 784 | 0 | 1,683 | 1,324 | 822 | 818 | 588 | 7 | 1,318 | 16,451 |
| 4 | 3,276 | 3,456 | 2,495 | 669 | 0 | 1,796 | 2,051 | 759 | 664 | 536 | 2 | 1,089 | 16,793 |
| 5 | 3,269 | 3,610 | 2,254 | 669 | 0 | 1,645 | 1,563 | 941 | 973 | 637 | 0 | 474 | 16,065 |
| 6 | 3,028 | 3,378 | 1,730 | 394 | 0 | 2,025 | 2,856 | 1,350 | 627 | 196 | 0 | 1,011 | 16,595 |
| 7 | 3,537 | 3,534 | 2,251 | 448 | 149 | 1,949 | 2,636 | 1,369 | 1,232 | 238 | 0 | 1,406 | 18,749 |
| 8 | 3,402 | 2,985 | 2,330 | 490 | 378 | 1,919 | 2,449 | 1,202 | 496 | 462 | 0 | 0 | 16,113 |
| 9 | 2,830 | 3,518 | 1,854 | 465 | 454 | 1,532 | 1,952 | 1,413 | 472 | 435 | 10 | 1,635 | 16,570 |
| 10 | 3,169 | 3,406 | 2,246 | 447 | 432 | 1,434 | 1,309 | 1,126 | 443 | 81 | 0 | 1,946 | 16,039 |
| 11 | 3,295 | 2,908 | 1,628 | 99 | 307 | 2,110 | 2,408 | 697 | 349 | 166 | 13 | 1,843 | 15,823 |
| 12 | 3,461 | 3,464 | 1,563 | 375 | 394 | 2,216 | 1,496 | 996 | 381 | 46 | 0 | 1,818 | 16,210 |
| 13 | 3,663 | 3,348 | 1,785 | 367 | 414 | 2,425 | 1,635 | 838 | 557 | 201 | 121 | 2,166 | 17,520 |
| 14 | 3,519 | 3,306 | 1,962 | 328 | 436 | 1,098 | 1,346 | 1,006 | 272 | 293 | 170 | 1,660 | 15,396 |
| 15 | 3,506 | 3,318 | 1,598 | 284 | 412 | 2,085 | 2,359 | 326 | 463 | 57 | 0 | 0 | 14,408 |
| 16 | 2,457 | 3,125 | 1,605 | 149 | 497 | 1,766 | 1,116 | 854 | 394 | 205 | 281 | 2,456 | 14,905 |
| 17 | 3,458 | 3,083 | 1,720 | 157 | 349 | 2,072 | 1,750 | 579 | 453 | 151 | 0 | 1,161 | 14,933 |
| 18 | 3,585 | 3,120 | 1,591 | 187 | 812 | 2,607 | 2,098 | 595 | 383 | 147 | 545 | 2,091 | 17,761 |
| 19 | 3,616 | 3,028 | 1,465 | 190 | 743 | 2,096 | 2,060 | 1,487 | 216 | 0 | 0 | 1,618 | 16,519 |
| 20 | 3,232 | 3,610 | 2,246 | 371 | 301 | 1,600 | 2,079 | 1,277 | 684 | 26 | 0 | 474 | 15,900 |
| 21 | 3,164 | 3,377 | 1,744 | 330 | 328 | 2,173 | 1,950 | 1,066 | 848 | 81 | 0 | 1,635 | 16,696 |
| Mean | 3,301 | 3,322 | 1,924 | 395 | 320 | 1,905 | 1,918 | 977 | 555 | 230 | 58 | 1,360 | 16,264 |
| (2) Paddy-Corn | | | | | | | | | | | | | |
| 1 | | | | | | | | | 595 | 489 | 0 | 456 | — |
| 2 | 2,699 | 3,119 | 2,775 | 1,545 | 149 | 1,374 | 1,509 | 959 | 545 | 489 | 2 | 628 | 15,793 |
| 3 | 2,529 | 3,086 | 3,418 | 1,703 | 73 | 1,392 | 1,542 | 714 | 589 | 948 | 4 | 960 | 16,958 |
| 4 | 2,611 | 3,119 | 3,314 | 1,545 | 45 | 1,411 | 1,976 | 765 | 530 | 918 | 2 | 749 | 16,985 |
| 5 | 2,573 | 3,271 | 3,154 | 1,629 | 20 | 1,415 | 1,721 | 850 | 913 | 1,040 | 0 | 205 | 16,791 |
| 6 | 2,366 | 3,081 | 2,442 | 1,218 | 150 | 1,552 | 2,787 | 1,417 | 582 | 540 | 0 | 622 | 16,757 |
| 7 | 2,714 | 3,361 | 3,469 | 1,116 | 152 | 1,565 | 2,521 | 1,574 | 1,318 | 666 | 0 | 917 | 19,373 |
| 8 | 2,684 | 2,903 | 3,326 | 1,355 | 31 | 1,516 | 2,553 | 1,485 | 321 | 963 | 0 | 0 | 17,137 |
| 9 | 1,928 | 3,376 | 2,762 | 1,568 | 168 | 1,475 | 1,889 | 1,469 | 479 | 980 | 1 | 914 | 17,009 |
| 10 | 2,640 | 3,292 | 3,448 | 1,596 | 177 | 1,098 | 1,257 | 1,515 | 507 | 396 | 49 | 1,201 | 17,176 |
| 11 | 2,673 | 2,867 | 2,723 | 830 | 123 | 1,272 | 2,348 | 666 | 542 | 707 | 49 | 1,062 | 15,862 |
| 12 | 2,839 | 3,422 | 2,796 | 1,683 | 141 | 1,432 | 1,329 | 1,325 | 545 | 403 | 12 | 1,106 | 17,033 |
| 13 | 2,845 | 3,423 | 3,345 | 1,624 | 178 | 1,530 | 1,761 | 1,204 | 812 | 870 | 91 | 1,293 | 18,976 |
| 14 | 2,848 | 3,406 | 3,424 | 1,967 | 205 | 591 | 897 | 1,323 | 410 | 1,004 | 97 | 912 | 17,084 |
| 15 | 2,768 | 3,432 | 3,005 | 1,542 | 62 | 1,333 | 2,222 | 506 | 590 | 575 | 16 | 0 | 16,051 |
| 16 | 1,539 | 3,360 | 2,810 | 1,059 | 49 | 1,192 | 1,026 | 1,176 | 547 | 1,024 | 183 | 1,453 | 15,418 |
| 17 | 2,826 | 3,367 | 3,214 | 1,559 | 125 | 1,316 | 1,717 | 879 | 634 | 978 | 0 | 483 | 17,098 |
| 18 | 2,959 | 3,455 | 3,398 | 1,428 | 145 | 1,487 | 1,838 | 932 | 596 | 1,109 | 285 | 1,113 | 18,745 |
| 19 | 2,868 | 3,467 | 3,396 | 1,690 | 119 | 1,369 | 1,507 | 1,282 | 682 | 466 | 38 | 773 | 17,657 |
| 20 | 2,657 | 3,271 | 3,448 | 1,241 | 160 | 1,145 | 1,673 | 1,497 | 730 | 446 | 38 | 205 | 16,511 |
| 21 | 2,380 | 3,358 | 3,346 | 1,956 | 124 | 1,299 | 1,524 | 1,419 | 954 | 396 | 0 | 914 | 17,670 |
| Mean | 2,597 | 3,272 | 3,151 | 1,493 | 120 | 1,338 | 1,780 | 1,148 | 641 | 746 | 43 | 776 | 17,104 |

## Table F-131 IRRIGATION DIVERSION REQUIREMENT FOR CROPPING PATTERNS OF PADDY-VEGETABLE-VEGETABLE AND TRIPLE CROPPING OF VEGETABLE

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) Paddy-Vegetable-Vegetable | | | | | | | | | | | | | |
| 1 | | | | | | | | | 564 | 263 | 0 | 485 | – |
| 2 | 2,586 | 1,744 | 566 | 0 | 0 | 1,415 | 1,645 | 952 | 545 | 263 | 0 | 603 | 10,319 |
| 3 | 2,523 | 2,040 | 1,023 | 0 | 0 | 1,427 | 1,708 | 719 | 589 | 925 | 0 | 1,012 | 11,966 |
| 4 | 2,525 | 1,749 | 722 | 0 | 0 | 1,458 | 2,168 | 775 | 487 | 692 | 0 | 770 | 11,346 |
| 5 | 2,463 | 1,841 | 717 | 0 | 0 | 1,443 | 1,821 | 812 | 863 | 691 | 0 | 207 | 10,858 |
| 6 | 2,228 | 1,741 | 586 | 0 | 0 | 1,591 | 2,871 | 1,553 | 581 | 397 | 0 | 680 | 12,228 |
| 7 | 2,612 | 1,876 | 735 | 0 | 0 | 1,612 | 2,673 | 1,662 | 1,164 | 446 | 0 | 954 | 13,734 |
| 8 | 2,559 | 1,647 | 698 | 0 | 0 | 1,571 | 2,771 | 1,588 | 319 | 660 | 0 | 0 | 11,813 |
| 9 | 1,721 | 1,868 | 629 | 0 | 0 | 1,503 | 1,970 | 1,494 | 460 | 716 | 1 | 964 | 11,326 |
| 10 | 2,520 | 1,816 | 729 | 0 | 0 | 1,145 | 1,360 | 1,521 | 503 | 298 | 0 | 1,305 | 11,197 |
| 11 | 2,458 | 1,367 | 275 | 0 | 0 | 1,329 | 2,495 | 773 | 532 | 349 | 0 | 1,114 | 10,692 |
| 12 | 2,609 | 1,571 | 337 | 0 | 0 | 1,480 | 1,503 | 1,363 | 545 | 225 | 0 | 1,160 | 10,793 |
| 13 | 2,587 | 1,570 | 400 | 0 | 0 | 1,582 | 1,930 | 1,185 | 752 | 376 | 78 | 1,385 | 11,845 |
| 14 | 2,622 | 1,557 | 423 | 0 | 0 | 630 | 925 | 1,318 | 407 | 465 | 79 | 970 | 9,396 |
| 15 | 2,507 | 1,563 | 366 | 0 | 0 | 1,386 | 2,459 | 506 | 582 | 300 | 0 | 0 | 9,669 |
| 16 | 1,145 | 1,518 | 392 | 0 | 0 | 1,255 | 1,220 | 1,147 | 518 | 516 | 153 | 1,579 | 9,443 |
| 17 | 2,399 | 1,223 | 197 | 0 | 0 | 1,336 | 1,854 | 873 | 545 | 279 | 0 | 360 | 9,166 |
| 18 | 2,407 | 1,253 | 209 | 0 | 0 | 1,542 | 2,017 | 1,009 | 560 | 309 | 276 | 1,261 | 10,843 |
| 19 | 2,507 | 1,258 | 214 | 0 | 0 | 1,420 | 1,675 | 1,060 | 625 | 184 | 0 | 746 | 9,689 |
| 20 | 2,489 | 1,841 | 729 | 0 | 0 | 1,200 | 1,846 | 1,010 | 691 | 224 | 0 | 207 | 10,237 |
| 21 | 2,117 | 1,693 | 271 | 0 | 0 | 1,384 | 1,665 | 1,420 | 873 | 298 | 0 | 964 | 10,685 |
| Mean | 2,379 | 1,637 | 511 | 0 | 0 | 1,385 | 1,929 | 1,137 | 607 | 431 | 29 | 817 | 10,862 |
| (2) Triple Cropping of Vegetable | | | | | | | | | | | | | |
| 1 | | | | | | | | | 0 | 0 | 33 | 1,227 | – |
| 2 | 3,524 | 3,557 | 2,342 | 2,165 | 3,302 | 100 | 0 | 0 | 0 | 0 | 108 | 2,025 | 17,123 |
| 3 | 3,343 | 3,537 | 3,226 | 2,627 | 2,636 | 511 | 0 | 0 | 0 | 0 | 216 | 2,828 | 18,924 |
| 4 | 3,456 | 3,557 | 3,033 | 2,165 | 2,021 | 399 | 0 | 0 | 0 | 0 | 86 | 2,566 | 17,283 |
| 5 | 3,572 | 3,607 | 2,687 | 2,411 | 1,620 | 200 | 0 | 0 | 0 | 0 | 0 | 1,000 | 15,097 |
| 6 | 3,540 | 3,370 | 2,317 | 1,717 | 3,557 | 917 | 177 | 0 | 0 | 0 | 0 | 1,759 | 17,354 |
| 7 | 3,544 | 3,699 | 3,208 | 1,573 | 3,253 | 139 | 0 | 0 | 0 | 0 | 66 | 2,911 | 18,393 |
| 8 | 3,504 | 3,196 | 3,129 | 1,744 | 1,910 | 414 | 0 | 0 | 0 | 0 | 0 | 0 | 13,897 |
| 9 | 3,326 | 3,699 | 2,171 | 2,787 | 4,710 | 197 | 0 | 0 | 0 | 0 | 162 | 2,782 | 19,834 |
| 10 | 3,368 | 3,664 | 3,214 | 2,578 | 4,803 | 0 | 0 | 0 | 0 | 0 | 0 | 2,931 | 20,558 |
| 11 | 3,352 | 2,820 | 2,854 | 1,535 | 1,677 | 0 | 0 | 0 | 0 | 0 | 24 | 2,881 | 15,143 |
| 12 | 3,612 | 3,702 | 2,490 | 2,837 | 3,401 | 504 | 0 | 0 | 0 | 0 | 0 | 2,720 | 19,266 |
| 13 | 3,589 | 3,652 | 3,128 | 2,707 | 4,140 | 0 | 0 | 0 | 0 | 0 | 758 | 2,990 | 20,964 |
| 14 | 3,547 | 3,672 | 3,169 | 3,186 | 5,281 | 231 | 0 | 0 | 0 | 0 | 687 | 2,453 | 22,226 |
| 15 | 3,591 | 3,691 | 2,769 | 2,193 | 2,727 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,971 |
| 16 | 2,767 | 3,584 | 2,814 | 908 | 1,637 | 0 | 0 | 0 | 0 | 0 | 1,225 | 3,032 | 15,967 |
| 17 | 3,406 | 3,644 | 3,031 | 2,681 | 2,949 | 0 | 0 | 0 | 0 | 0 | 0 | 1,847 | 17,558 |
| 18 | 3,588 | 3,702 | 3,190 | 2,308 | 3,351 | 126 | 0 | 0 | 0 | 0 | 1,434 | 2,522 | 20,221 |
| 19 | 3,561 | 3,698 | 3,182 | 2,772 | 3,172 | 0 | 0 | 0 | 0 | 0 | 0 | 2,203 | 18,588 |
| 20 | 3,360 | 3,607 | 3,214 | 2,164 | 3,982 | 0 | 0 | 0 | 0 | 0 | 0 | 1,000 | 17,327 |
| 21 | 3,372 | 3,658 | 2,936 | 3,173 | 2,313 | 917 | 0 | 0 | 0 | 0 | 0 | 2,782 | 19,151 |
| Mean | 3,446 | 3,566 | 2,905 | 2,312 | 3,122 | 233 | 9 | 0 | 0 | 0 | 238 | 2,162 | 17,992 |

## Table F-132 IRRIGATION DIVERSION REQUIREMENT FOR CROPPING PATTERNS OF SUGARCANE

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 0 | 0 | 23 | 853 | - |
| 2 | 2,757 | 3,415 | 3,679 | 4,414 | 4,254 | 1,035 | 0 | 0 | 0 | 0 | 46 | 1,196 | 20,796 |
| 3 | 2,792 | 3,403 | 4,490 | 4,731 | 3,053 | 1,283 | 0 | 0 | 0 | 0 | 93 | 1,746 | 21,591 |
| 4 | 2,936 | 3,415 | 4,439 | 4,414 | 2,675 | 1,098 | 0 | 0 | 0 | 0 | 48 | 1,528 | 20,553 |
| 5 | 2,789 | 3,475 | 4,395 | 4,450 | 2,278 | 326 | 0 | 0 | 0 | 0 | 0 | 560 | 18,273 |
| 6 | 2,235 | 2,963 | 3,567 | 2,956 | 4,052 | 2,801 | 639 | 0 | 0 | 0 | 0 | 866 | 20,079 |
| 7 | 2,541 | 3,300 | 4,484 | 3,728 | 4,219 | 1,695 | 167 | 0 | 0 | 0 | 46 | 1,751 | 21,931 |
| 8 | 2,972 | 3,268 | 4,294 | 4,202 | 2,573 | 1,144 | 29 | 0 | 0 | 0 | 0 | 12 | 18,494 |
| 9 | 1,773 | 2,843 | 3,732 | 3,890 | 4,845 | 1,703 | 0 | 0 | 0 | 0 | 58 | 1,749 | 20,593 |
| 10 | 2,621 | 3,429 | 4,528 | 4,520 | 5,367 | 855 | 0 | 0 | 0 | 0 | 14 | 1,712 | 23,046 |
| 11 | 2,778 | 3,117 | 3,560 | 2,933 | 2,627 | 87 | 0 | 0 | 0 | 0 | 28 | 1,739 | 16,869 |
| 12 | 2,971 | 3,599 | 4,157 | 4,605 | 4,339 | 1,974 | 0 | 0 | 0 | 0 | 0 | 1,560 | 23,205 |
| 13 | 2,898 | 3,533 | 4,516 | 4,666 | 4,512 | 1,522 | 189 | 0 | 0 | 0 | 217 | 2,193 | 24,246 |
| 14 | 3,207 | 3,712 | 4,702 | 5,295 | 6,165 | 913 | 0 | 0 | 0 | 0 | 254 | 1,705 | 25,953 |
| 15 | 2,868 | 3,547 | 4,283 | 4,522 | 3,370 | 662 | 0 | 0 | 0 | 0 | 0 | 0 | 19,252 |
| 16 | 1,422 | 2,654 | 3,533 | 2,914 | 1,951 | 10 | 0 | 0 | 0 | 0 | 500 | 2,369 | 15,353 |
| 17 | 3,269 | 3,695 | 4,546 | 4,670 | 2,676 | 20 | 0 | 0 | 0 | 0 | 0 | 1,127 | 20,003 |
| 18 | 2,745 | 3,416 | 4,523 | 4,412 | 4,289 | 1,163 | 128 | 0 | 0 | 0 | 846 | 1,814 | 23,336 |
| 19 | 3,157 | 3,695 | 4,690 | 4,951 | 4,015 | 315 | 0 | 0 | 0 | 0 | 0 | 1,265 | 22,088 |
| 20 | 2,700 | 3,475 | 4,528 | 3,118 | 4,674 | 980 | 64 | 0 | 0 | 0 | 0 | 560 | 20,099 |
| 21 | 2,356 | 3,481 | 3,847 | 5,269 | 2,515 | 1,161 | 0 | 0 | 0 | 0 | 0 | 1,749 | 20,378 |
| Mean | 2,689 | 3,372 | 4,225 | 4,233 | 3,722 | 1,037 | 61 | 0 | 0 | 0 | 108 | 1,360 | 20,807 |

## Table F-133 MONTHLY IRRIGATION DIVERSION REQUIREMENT FOR ARIS AREA

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 483 | 240 | 1,142 | 1,905 | - |
| 2 | 4,188 | 3,365 | 1,929 | 809 | 399 | 1,530 | 1,248 | 734 | 470 | 240 | 1,108 | 2,224 | 18,242 |
| 3 | 4,039 | 3,348 | 2,424 | 888 | 283 | 1,546 | 1,169 | 701 | 656 | 624 | 1,105 | 2,416 | 19,200 |
| 4 | 4,147 | 3,365 | 2,349 | 809 | 242 | 1,581 | 1,652 | 723 | 571 | 582 | 1,079 | 2,219 | 19,318 |
| 5 | 4,110 | 3,494 | 2,244 | 836 | 202 | 1,457 | 1,428 | 812 | 876 | 690 | 787 | 1,839 | 18,773 |
| 6 | 3,856 | 3,280 | 1,823 | 573 | 385 | 1,893 | 2,401 | 1,276 | 548 | 281 | 942 | 2,234 | 19,492 |
| 7 | 4,189 | 3,524 | 2,350 | 604 | 420 | 1,755 | 2,136 | 1,383 | 1,182 | 380 | 1,063 | 2,434 | 21,419 |
| 8 | 4,186 | 3,117 | 2,293 | 700 | 291 | 1,700 | 2,111 | 1,292 | 376 | 601 | 760 | 1,662 | 19,089 |
| 9 | 3,646 | 3,466 | 1,948 | 719 | 536 | 1,498 | 1,607 | 1,415 | 458 | 613 | 1,072 | 2,484 | 19,463 |
| 10 | 4,053 | 3,464 | 2,340 | 772 | 577 | 1,222 | 973 | 1,391 | 465 | 196 | 1,104 | 2,699 | 19,255 |
| 11 | 4,096 | 3,042 | 1,836 | 425 | 297 | 1,431 | 1,957 | 730 | 451 | 405 | 1,081 | 2,616 | 18,367 |
| 12 | 4,305 | 3,538 | 1,894 | 784 | 468 | 1,722 | 1,113 | 1,260 | 470 | 194 | 1,069 | 2,594 | 19,412 |
| 13 | 4,332 | 3,509 | 2,177 | 761 | 499 | 1,807 | 1,391 | 1,064 | 613 | 495 | 1,182 | 2,833 | 20,663 |
| 14 | 4,329 | 3,504 | 2,264 | 872 | 651 | 725 | 843 | 1,236 | 336 | 604 | 1,188 | 2,451 | 19,001 |
| 15 | 4,228 | 3,495 | 1,979 | 717 | 373 | 1,516 | 1,828 | 546 | 513 | 285 | 916 | 1,362 | 17,757 |
| 16 | 3,420 | 3,304 | 1,874 | 464 | 260 | 1,150 | 950 | 1,086 | 477 | 589 | 1,290 | 3,002 | 17,867 |
| 17 | 4,289 | 3,428 | 2,108 | 712 | 321 | 1,460 | 1,374 | 855 | 532 | 560 | 1,024 | 2,120 | 18,782 |
| 18 | 4,328 | 3,462 | 2,154 | 673 | 531 | 1,796 | 1,542 | 765 | 487 | 647 | 1,417 | 2,725 | 20,528 |
| 19 | 4,331 | 3,441 | 2,138 | 750 | 492 | 1,552 | 1,342 | 1,288 | 501 | 224 | 1,085 | 2,328 | 19,474 |
| 20 | 4,075 | 3,494 | 2,340 | 588 | 489 | 1,230 | 1,442 | 1,291 | 663 | 227 | 1,085 | 1,839 | 18,765 |
| 21 | 3,959 | 3,487 | 2,091 | 868 | 298 | 1,640 | 1,257 | 1,314 | 483 | 240 | 1,142 | 1,905 | 18,684 |
| 22 | 4,188 | 3,365 | 1,929 | 809 | 399 | 1,530 | 1,248 | 734 | 470 | 240 | 1,108 | 2,224 | 18,242 |
| 23 | 4,039 | 3,348 | 2,424 | 888 | 283 | 1,546 | 1,169 | 701 | 656 | 624 | 1,105 | 2,416 | 19,200 |
| 24 | 4,147 | 3,365 | 2,349 | 809 | 242 | 1,581 | 1,652 | 723 | 571 | 582 | 1,079 | 2,219 | 19,318 |
| 25 | 4,110 | 3,494 | 2,244 | 836 | 202 | 1,457 | 1,428 | 812 | 876 | 690 | 787 | 1,839 | 18,773 |
| 26 | 3,856 | 3,280 | 1,823 | 573 | 385 | 1,893 | 2,401 | 1,276 | 548 | 281 | 942 | 2,234 | 19,492 |
| 27 | 4,189 | 3,524 | 2,350 | 604 | 420 | 1,755 | 2,136 | 1,383 | 1,182 | 380 | 1,063 | 2,434 | 21,419 |
| 28 | 4,186 | 3,117 | 2,293 | 700 | 291 | 1,700 | 2,111 | 1,292 | 376 | 601 | 760 | 1,662 | 19,089 |
| 29 | 3,646 | 3,466 | 1,948 | 719 | 536 | 1,498 | 1,607 | 1,415 | 458 | 613 | 1,072 | 2,484 | 19,463 |
| 30 | 4,053 | 3,464 | 2,340 | 772 | 577 | 1,222 | 973 | 1,391 | 465 | 196 | 1,104 | 2,699 | 19,255 |
| 31 | 4,096 | 3,042 | 1,836 | 425 | 297 | 1,431 | 1,957 | 730 | | | | | - |
| Average | 4,087 | 3,386 | 2,136 | 715 | 388 | 1,527 | 1,548 | 1,054 | 577 | 444 | 1,052 | 2,283 | 19,199 |

## Table F-134 MONTHLY IRRIGATION DIVERSION REQUIREMENT FOR ARIS EXTENSION AREA

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 472 | 230 | 850 | 1,594 | |
| 2 | 3,933 | 3,317 | 1,888 | 765 | 271 | 1,571 | 1,400 | 767 | 466 | 230 | 825 | 1,938 | 17,371 |
| 3 | 3,745 | 3,302 | 2,451 | 849 | 191 | 1,554 | 1,245 | 727 | 680 | 655 | 824 | 2,101 | 18,325 |
| 4 | 3,862 | 3,317 | 2,360 | 765 | 162 | 1,602 | 1,767 | 739 | 585 | 606 | 803 | 1,897 | 18,464 |
| 5 | 3,830 | 3,452 | 2,232 | 794 | 134 | 1,491 | 1,493 | 841 | 900 | 712 | 586 | 1,464 | 17,929 |
| 6 | 3,591 | 3,242 | 1,789 | 536 | 264 | 1,869 | 2,527 | 1,316 | 568 | 291 | 702 | 1,888 | 18,587 |
| 7 | 3,949 | 3,467 | 2,322 | 550 | 311 | 1,765 | 2,275 | 1,414 | 1,208 | 383 | 792 | 2,125 | 20,558 |
| 8 | 3,917 | 3,035 | 2,283 | 638 | 259 | 1,721 | 2,233 | 1,309 | 392 | 612 | 566 | 1,238 | 18,203 |
| 9 | 3,355 | 3,427 | 1,916 | 663 | 445 | 1,497 | 1,707 | 1,431 | 465 | 619 | 800 | 2,198 | 18,522 |
| 10 | 3,779 | 3,393 | 2,312 | 695 | 467 | 1,247 | 1,068 | 1,371 | 469 | 197 | 825 | 2,441 | 18,263 |
| 11 | 3,831 | 2,958 | 1,783 | 351 | 255 | 1,535 | 2,089 | 728 | 447 | 390 | 811 | 2,346 | 17,523 |
| 12 | 4,028 | 3,459 | 1,818 | 696 | 385 | 1,768 | 1,212 | 1,235 | 466 | 188 | 797 | 2,332 | 18,384 |
| 13 | 4,081 | 3,415 | 2,086 | 668 | 413 | 1,879 | 1,484 | 1,049 | 627 | 476 | 908 | 2,580 | 19,667 |
| 14 | 4,054 | 3,401 | 2,183 | 756 | 518 | 770 | 937 | 1,217 | 335 | 584 | 920 | 2,178 | 17,852 |
| 15 | 3,971 | 3,399 | 1,888 | 619 | 322 | 1,596 | 1,978 | 510 | 516 | 272 | 683 | 1,014 | 16,768 |
| 16 | 3,083 | 3,228 | 1,809 | 396 | 261 | 1,265 | 1,000 | 1,065 | 473 | 562 | 1,022 | 2,769 | 16,933 |
| 17 | 4,005 | 3,296 | 2,010 | 594 | 282 | 1,555 | 1,485 | 819 | 531 | 521 | 763 | 1,808 | 17,669 |
| 18 | 4,071 | 3,337 | 2,036 | 566 | 500 | 1,900 | 1,680 | 763 | 484 | 596 | 1,168 | 2,474 | 19,573 |
| 19 | 4,069 | 3,297 | 1,992 | 625 | 461 | 1,632 | 1,492 | 1,322 | 475 | 207 | 811 | 2,067 | 18,451 |
| 20 | 3,805 | 3,452 | 2,312 | 545 | 385 | 1,283 | 1,586 | 1,301 | 672 | 213 | 811 | 1,464 | 17,829 |
| 21 | 3,682 | 3,404 | 2,017 | 753 | 262 | 1,699 | 1,411 | 472 | 230 | 850 | 1,594 | 2,198 | 18,573 |
| 22 | 3,933 | 3,317 | 1,888 | 765 | 271 | 1,571 | 1,400 | 767 | 466 | 230 | 825 | 1,938 | 17,371 |
| 23 | 3,745 | 3,302 | 2,451 | 849 | 191 | 1,554 | 1,245 | 727 | 680 | 655 | 824 | 2,101 | 18,325 |
| 24 | 3,862 | 3,317 | 2,360 | 765 | 162 | 1,602 | 1,767 | 739 | 585 | 606 | 803 | 1,897 | 18,464 |
| 25 | 3,830 | 3,452 | 2,232 | 794 | 134 | 1,491 | 1,493 | 841 | 900 | 712 | 586 | 1,464 | 17,929 |
| 26 | 3,591 | 3,242 | 1,789 | 538 | 264 | 1,869 | 2,527 | 1,316 | 568 | 291 | 702 | 1,888 | 18,587 |
| 27 | 3,949 | 3,467 | 2,322 | 550 | 311 | 1,765 | 2,275 | 1,414 | 1,208 | 383 | 792 | 2,125 | 20,558 |
| 28 | 3,917 | 3,035 | 2,283 | 638 | 259 | 1,721 | 2,233 | 1,309 | 392 | 612 | 566 | 1,238 | 18,203 |
| 29 | 3,355 | 3,427 | 1,916 | 663 | 445 | 1,497 | 1,707 | 1,431 | 465 | 619 | 800 | 2,198 | 18,522 |
| 30 | 3,779 | 3,393 | 2,312 | 695 | 467 | 1,247 | 1,068 | 1,371 | 469 | 197 | 825 | 2,441 | 18,263 |
| 31 | 3,831 | 2,958 | 1,783 | 351 | 255 | 1,535 | 2,089 | 728 | | | | | |
| Average | 3,814 | 3,317 | 2,094 | 648 | 310 | 1,568 | 1,662 | 1,035 | 577 | 464 | 818 | 1,993 | 18,302 |

## Table F-135 MONTHLY IRRIGATION DIVERSION REQUIREMENT FOR ADRIS AREA

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 452 | 254 | 608 | 1,249 | |
| 2 | 3,415 | 3,034 | 1,804 | 798 | 271 | 1,418 | 1,317 | 693 | 440 | 254 | 591 | 1,544 | 15,578 |
| 3 | 3,242 | 3,022 | 2,373 | 880 | 191 | 1,410 | 1,200 | 662 | 605 | 652 | 591 | 1,733 | 16,562 |
| 4 | 3,347 | 3,034 | 2,287 | 798 | 162 | 1,447 | 1,663 | 680 | 524 | 608 | 575 | 1,540 | 16,664 |
| 5 | 3,314 | 3,160 | 2,168 | 829 | 134 | 1,355 | 1,411 | 771 | 824 | 706 | 419 | 1,103 | 16,193 |
| 6 | 3,119 | 2,965 | 1,725 | 572 | 264 | 1,692 | 2,373 | 1,226 | 522 | 310 | 501 | 1,500 | 16,767 |
| 7 | 3,427 | 3,168 | 2,237 | 554 | 301 | 1,604 | 2,137 | 1,327 | 1,121 | 398 | 566 | 1,743 | 18,584 |
| 8 | 3,402 | 2,770 | 2,186 | 651 | 232 | 1,556 | 2,116 | 1,231 | 346 | 619 | 404 | 884 | 16,398 |
| 9 | 2,833 | 3,133 | 1,837 | 679 | 413 | 1,390 | 1,603 | 1,316 | 427 | 627 | 573 | 1,799 | 16,629 |
| 10 | 3,288 | 3,100 | 2,226 | 715 | 437 | 1,129 | 1,023 | 1,276 | 435 | 214 | 598 | 2,032 | 16,475 |
| 11 | 3,333 | 2,705 | 1,714 | 366 | 234 | 1,363 | 1,967 | 660 | 425 | 409 | 588 | 1,936 | 15,698 |
| 12 | 3,511 | 3,166 | 1,765 | 721 | 358 | 1,588 | 1,143 | 1,144 | 440 | 208 | 572 | 1,931 | 16,548 |
| 13 | 3,550 | 3,118 | 1,985 | 674 | 384 | 1,681 | 1,428 | 985 | 605 | 499 | 673 | 2,159 | 17,741 |
| 14 | 3,534 | 3,106 | 2,069 | 769 | 487 | 691 | 854 | 1,129 | 320 | 601 | 683 | 1,782 | 16,026 |
| 15 | 3,453 | 3,106 | 1,795 | 631 | 293 | 1,427 | 1,881 | 463 | 484 | 299 | 491 | 724 | 15,047 |
| 16 | 2,548 | 2,955 | 1,713 | 408 | 227 | 1,152 | 936 | 990 | 445 | 589 | 779 | 2,331 | 15,072 |
| 17 | 3,490 | 3,014 | 1,910 | 610 | 258 | 1,382 | 1,413 | 757 | 502 | 548 | 545 | 1,420 | 15,849 |
| 18 | 3,555 | 3,054 | 1,950 | 583 | 443 | 1,685 | 1,589 | 733 | 461 | 625 | 911 | 2,042 | 17,630 |
| 19 | 3,544 | 3,001 | 1,878 | 622 | 409 | 1,455 | 1,389 | 1,199 | 469 | 231 | 586 | 1,668 | 16,452 |
| 20 | 3,311 | 3,160 | 2,226 | 577 | 364 | 1,168 | 1,489 | 1,200 | 603 | 238 | 586 | 1,103 | 16,025 |
| 21 | 3,168 | 3,109 | 1,916 | 767 | 239 | 1,510 | 1,328 | 452 | 254 | 608 | 1,249 | 1,799 | 16,399 |
| 22 | 3,415 | 3,034 | 1,804 | 798 | 271 | 1,418 | 1,317 | 693 | 440 | 254 | 591 | 1,544 | 15,578 |
| 23 | 3,242 | 3,022 | 2,373 | 880 | 191 | 1,410 | 1,200 | 662 | 605 | 652 | 591 | 1,733 | 16,562 |
| 24 | 3,347 | 3,034 | 2,287 | 798 | 162 | 1,447 | 1,663 | 680 | 524 | 608 | 575 | 1,540 | 16,664 |
| 25 | 3,314 | 3,160 | 2,168 | 829 | 134 | 1,355 | 1,411 | 771 | 824 | 706 | 419 | 1,103 | 16,193 |
| 26 | 3,119 | 2,965 | 1,725 | 572 | 264 | 1,692 | 2,373 | 1,226 | 522 | 310 | 501 | 1,500 | 16,767 |
| 27 | 3,427 | 3,168 | 2,237 | 554 | 301 | 1,604 | 2,137 | 1,327 | 1,121 | 398 | 566 | 1,743 | 18,584 |
| 28 | 3,402 | 2,770 | 2,186 | 651 | 232 | 1,556 | 2,116 | 1,231 | 346 | 619 | 404 | 884 | 16,398 |
| 29 | 2,833 | 3,133 | 1,837 | 679 | 413 | 1,390 | 1,603 | 1,316 | 427 | 627 | 573 | 1,799 | 16,629 |
| 30 | 3,288 | 3,100 | 2,226 | 715 | 437 | 1,129 | 1,023 | 1,276 | 435 | 214 | 598 | 2,032 | 16,475 |
| 31 | 3,333 | 2,705 | 1,714 | 366 | 234 | 1,363 | 1,967 | 660 | | | | | |
| Average | 3,303 | 3,032 | 2,011 | 668 | 291 | 1,416 | 1,569 | 958 | 534 | 470 | 597 | 1,609 | 16,458 |

## Table F-136 MONTHLY IRRIGATION DIVERSION REQUIREMENT FOR LARIS AREA

Unit : m³/ha

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 497 | 168 | 874 | 1,592 | |
| 2 | 3,919 | 3,324 | 1,898 | 746 | 229 | 1,543 | 1,386 | 752 | 483 | 268 | 848 | 1,913 | 17,310 |
| 3 | 3,740 | 3,304 | 2,464 | 824 | 161 | 1,537 | 1,271 | 727 | 672 | 686 | 846 | 2,098 | 18,331 |
| 4 | 3,852 | 3,324 | 2,381 | 746 | 135 | 1,581 | 1,778 | 747 | 583 | 643 | 826 | 1,895 | 18,491 |
| 5 | 3,819 | 3,460 | 2,259 | 776 | 111 | 1,488 | 1,518 | 845 | 907 | 754 | 603 | 1,477 | 18,017 |
| 6 | 3,605 | 3,255 | 1,810 | 536 | 223 | 1,827 | 2,540 | 1,334 | 571 | 321 | 722 | 1,894 | 18,636 |
| 7 | 3,933 | 3,479 | 2,339 | 513 | 258 | 1,741 | 2,287 | 1,446 | 1,230 | 421 | 814 | 2,113 | 20,575 |
| 8 | 3,905 | 3,046 | 2,288 | 604 | 207 | 1,701 | 2,265 | 1,343 | 384 | 658 | 582 | 1,273 | 18,257 |
| 9 | 3,340 | 3,444 | 1,928 | 635 | 365 | 1,492 | 1,721 | 1,453 | 471 | 668 | 821 | 2,172 | 18,510 |
| 10 | 3,783 | 3,405 | 2,327 | 665 | 384 | 1,230 | 1,077 | 1,415 | 479 | 222 | 853 | 2,415 | 18,254 |
| 11 | 3,828 | 2,981 | 1,806 | 334 | 207 | 1,492 | 2,105 | 737 | 465 | 439 | 837 | 2,318 | 17,549 |
| 12 | 4,027 | 3,480 | 1,849 | 670 | 314 | 1,712 | 1,214 | 1,274 | 483 | 218 | 821 | 2,310 | 18,372 |
| 13 | 4,067 | 3,434 | 2,093 | 624 | 339 | 1,821 | 1,510 | 1,088 | 652 | 538 | 928 | 2,543 | 19,639 |
| 14 | 4,046 | 3,420 | 2,180 | 713 | 426 | 735 | 914 | 1,254 | 349 | 650 | 937 | 2,149 | 17,772 |
| 15 | 3,960 | 3,420 | 1,891 | 582 | 259 | 1,555 | 1,997 | 530 | 531 | 317 | 704 | 1,043 | 16,790 |
| 16 | 3,071 | 3,264 | 1,814 | 376 | 207 | 1,238 | 1,010 | 1,101 | 490 | 635 | 1,036 | 2,722 | 16,965 |
| 17 | 4,002 | 3,331 | 2,017 | 560 | 231 | 1,519 | 1,499 | 851 | 551 | 599 | 784 | 1,789 | 17,735 |
| 18 | 4,076 | 3,379 | 2,062 | 535 | 400 | 1,830 | 1,683 | 798 | 505 | 686 | 1,167 | 2,431 | 19,553 |
| 19 | 4,057 | 3,323 | 1,996 | 572 | 369 | 1,598 | 1,474 | 1,328 | 515 | 247 | 837 | 2,036 | 18,350 |
| 20 | 3,806 | 3,460 | 2,327 | 540 | 317 | 1,256 | 1,579 | 1,329 | 669 | 252 | 837 | 1,477 | 17,848 |
| 21 | 3,676 | 3,420 | 2,030 | 711 | 214 | 1,648 | 1,397 | 1,335 | 881 | 222 | 576 | 2,172 | 18,282 |
| 22 | 3,919 | 3,324 | 1,898 | 746 | 229 | 1,543 | 1,386 | 752 | 483 | 268 | 848 | 1,913 | 17,310 |
| 23 | 3,740 | 3,304 | 2,464 | 824 | 161 | 1,537 | 1,271 | 727 | 672 | 686 | 846 | 2,098 | 18,331 |
| 24 | 3,852 | 3,324 | 2,381 | 746 | 135 | 1,581 | 1,778 | 747 | 583 | 643 | 826 | 1,895 | 18,491 |
| 25 | 3,819 | 3,460 | 2,259 | 776 | 111 | 1,488 | 1,518 | 845 | 907 | 754 | 603 | 1,477 | 18,017 |
| 26 | 3,605 | 3,255 | 1,810 | 536 | 223 | 1,827 | 2,540 | 1,334 | 571 | 321 | 722 | 1,894 | 18,636 |
| 27 | 3,933 | 3,479 | 2,339 | 513 | 258 | 1,741 | 2,287 | 1,446 | 1,230 | 421 | 814 | 2,113 | 20,575 |
| 28 | 3,905 | 3,046 | 2,288 | 604 | 207 | 1,701 | 2,265 | 1,343 | 384 | 658 | 582 | 1,273 | 18,257 |
| 29 | 3,340 | 3,444 | 1,928 | 635 | 365 | 1,492 | 1,721 | 1,453 | 471 | 668 | 821 | 2,172 | 18,510 |
| 30 | 3,783 | 3,405 | 2,327 | 665 | 384 | 1,230 | 1,077 | 1,415 | 479 | 222 | 853 | 2,415 | 18,254 |
| 31 | 3,828 | 2,981 | 1,806 | 334 | 207 | 1,492 | 2,105 | 737 | | | | | — |
| Average | 3,808 | 3,333 | 2,109 | 621 | 254 | 1,539 | 1,673 | 1,083 | 609 | 486 | 803 | 1,982 | 18,300 |

## Table F-137 MONTHLY SOLUBLE COPPER CONCENTRATION OF RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 1

Unit : ppb

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 5.4 | 4.4 | 3.3 | 2.6 |
| 2 | 2.5 | 2.4 | 2.8 | 3.5 | 4.6 | 5.4 | 6.9 | 6.9 | 5.3 | 4.4 | 3.3 | 2.6 |
| 3 | 2.5 | 2.4 | 2.8 | 3.5 | 4.7 | 5.4 | 6.9 | 7.0 | 5.3 | 4.4 | 3.3 | 2.6 |
| 4 | 2.5 | 2.4 | 2.8 | 3.6 | 4.7 | 5.5 | 7.0 | 7.0 | 5.3 | 4.5 | 3.4 | 2.6 |
| 5 | 2.5 | 2.4 | 2.8 | 3.6 | 4.7 | 5.5 | 7.0 | 7.0 | 5.3 | 4.5 | 3.4 | 2.7 |
| 6 | 2.5 | 2.4 | 2.8 | 3.6 | 4.8 | 5.6 | 7.1 | 7.1 | 5.4 | 4.5 | 3.4 | 2.7 |
| 7 | 2.5 | 2.4 | 2.9 | 3.6 | 4.8 | 5.6 | 7.1 | 7.1 | 5.4 | 4.5 | 3.4 | 2.7 |
| 8 | 2.5 | 2.5 | 2.9 | 3.7 | 4.8 | 5.6 | 7.1 | 7.1 | 5.4 | 4.5 | 3.4 | 2.7 |
| 9 | 2.5 | 2.5 | 2.9 | 3.7 | 4.9 | 5.7 | 7.2 | 7.1 | 5.4 | 4.5 | 3.4 | 2.7 |
| 10 | 2.5 | 2.5 | 2.9 | 3.7 | 4.9 | 5.7 | 7.2 | 7.2 | 5.4 | 4.5 | 3.4 | 2.7 |
| 11 | 2.5 | 2.5 | 2.9 | 3.8 | 4.9 | 5.7 | 7.2 | 7.2 | 5.5 | 4.5 | 3.4 | 2.7 |
| 12 | 2.6 | 2.5 | 2.9 | 3.8 | 5.0 | 5.8 | 7.3 | 7.2 | 5.5 | 4.6 | 3.4 | 2.7 |
| 13 | 2.6 | 2.5 | 3.0 | 3.8 | 5.0 | 5.8 | 7.3 | 7.2 | 5.5 | 4.6 | 3.4 | 2.7 |
| 14 | 2.6 | 2.5 | 3.0 | 3.9 | 5.0 | 5.9 | 7.4 | 7.3 | 5.5 | 4.6 | 3.5 | 2.7 |
| 15 | 2.6 | 2.5 | 3.0 | 3.9 | 5.1 | 5.9 | 7.4 | 7.3 | 5.5 | 4.6 | 3.5 | 2.7 |
| 16 | 2.6 | 2.5 | 3.0 | 3.9 | 5.1 | 5.9 | 7.4 | 7.3 | 5.5 | 4.6 | 3.5 | 2.7 |
| 17 | 2.6 | 2.5 | 3.0 | 3.9 | 5.2 | 6.0 | 7.5 | 7.3 | 5.6 | 4.6 | 3.5 | 2.7 |
| 18 | 2.6 | 2.5 | 3.0 | 4.0 | 5.2 | 6.0 | 7.5 | 7.4 | 5.6 | 4.6 | 3.5 | 2.7 |
| 19 | 2.6 | 2.5 | 3.1 | 4.0 | 5.2 | 6.1 | 7.6 | 7.4 | 5.6 | 4.7 | 3.5 | 2.8 |
| 20 | 2.6 | 2.6 | 3.1 | 4.0 | 5.3 | 6.1 | 7.6 | 7.4 | 5.6 | 4.7 | 3.5 | 2.8 |
| 21 | 2.6 | 2.6 | 3.1 | 4.1 | 5.3 | 6.2 | 7.6 | 7.4 | 5.6 | 4.7 | 3.5 | 2.8 |
| 22 | 2.6 | 2.6 | 3.1 | 4.1 | 5.4 | 6.2 | 7.7 | 7.5 | 5.7 | 4.7 | 3.5 | 2.8 |
| 23 | 2.6 | 2.6 | 3.2 | 4.2 | 5.4 | 6.3 | 7.7 | 7.5 | 5.7 | 4.7 | 3.5 | 2.8 |
| 24 | 2.6 | 2.6 | 3.2 | 4.2 | 5.5 | 6.3 | 7.8 | 7.5 | 5.7 | 4.7 | 3.6 | 2.8 |
| 25 | 2.7 | 2.6 | 3.2 | 4.2 | 5.5 | 6.4 | 7.8 | 7.5 | 5.7 | 4.8 | 3.6 | 2.8 |
| 26 | 2.7 | 2.6 | 3.2 | 4.3 | 5.6 | 6.4 | 7.9 | 7.6 | 5.7 | 4.8 | 3.6 | 2.8 |
| 27 | 2.7 | 2.6 | 3.3 | 4.3 | 5.7 | 6.5 | 8.0 | 7.6 | 5.8 | 4.8 | 3.6 | 2.8 |
| 28 | 2.7 | 2.6 | 3.3 | 4.4 | 5.7 | 6.6 | 8.0 | 7.6 | 5.8 | 4.8 | 3.6 | 2.8 |
| 29 | 2.7 | 2.7 | 3.3 | 4.4 | 5.8 | 6.6 | 8.1 | 7.7 | 5.8 | 4.8 | 3.6 | 2.8 |
| 30 | 2.7 | 2.7 | 3.4 | 4.5 | 5.8 | 6.7 | 8.1 | 7.7 | 5.8 | 4.8 | 3.6 | 2.9 |
| 31 | 2.7 | 2.7 | 3.4 | 4.6 | 5.9 | 6.8 | 8.2 | 7.7 | | | | |

## Table F-138 SUSPENDED SOLID CONCENTRATION OF RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 1

Unit : mg/l

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 391 | 519 | 888 | 787 |
| 2 | 551 | 475 | 558 | 2,245 | 1,222 | 1,192 | 1,326 | 1,300 | 352 | 519 | 889 | 787 |
| 3 | 552 | 476 | 562 | 2,249 | 1,224 | 1,193 | 1,328 | 1,286 | 352 | 519 | 889 | 788 |
| 4 | 552 | 476 | 566 | 2,259 | 1,226 | 1,195 | 1,330 | 1,273 | 352 | 520 | 890 | 788 |
| 5 | 552 | 476 | 570 | 2,258 | 1,228 | 1,196 | 1,332 | 1,261 | 352 | 520 | 890 | 788 |
| 6 | 553 | 476 | 574 | 2,263 | 1,230 | 1,198 | 1,334 | 1,248 | 353 | 520 | 890 | 789 |
| 7 | 553 | 477 | 578 | 2,266 | 1,232 | 1,200 | 1,336 | 1,236 | 353 | 520 | 891 | 789 |
| 8 | 553 | 477 | 582 | 2,269 | 1,234 | 1,201 | 1,338 | 1,225 | 353 | 521 | 891 | 790 |
| 9 | 554 | 477 | 586 | 2,272 | 1,236 | 1,203 | 1,340 | 1,213 | 353 | 521 | 892 | 790 |
| 10 | 554 | 477 | 590 | 2,275 | 1,238 | 1,205 | 1,342 | 1,202 | 353 | 521 | 892 | 791 |
| 11 | 554 | 478 | 595 | 2,278 | 1,240 | 1,206 | 1,344 | 1,191 | 353 | 521 | 892 | 791 |
| 12 | 555 | 478 | 599 | 2,281 | 1,242 | 1,208 | 1,346 | 1,180 | 354 | 522 | 893 | 792 |
| 13 | 555 | 478 | 604 | 2,284 | 1,244 | 1,210 | 1,349 | 1,170 | 354 | 522 | 893 | 792 |
| 14 | 555 | 479 | 608 | 2,287 | 1,246 | 1,212 | 1,351 | 1,159 | 354 | 522 | 894 | 793 |
| 15 | 556 | 479 | 613 | 2,291 | 1,249 | 1,214 | 1,353 | 1,149 | 354 | 522 | 894 | 793 |
| 16 | 556 | 479 | 617 | 2,294 | 1,251 | 1,215 | 1,355 | 1,139 | 355 | 523 | 895 | 794 |
| 17 | 557 | 479 | 622 | 2,297 | 1,253 | 1,217 | 1,358 | 1,130 | 355 | 523 | 895 | 794 |
| 18 | 557 | 480 | 627 | 2,301 | 1,255 | 1,219 | 1,360 | 1,120 | 355 | 523 | 895 | 794 |
| 19 | 557 | 480 | 632 | 2,304 | 1,258 | 1,221 | 1,362 | 1,111 | 355 | 523 | 896 | 795 |
| 20 | 558 | 480 | 637 | 2,308 | 1,260 | 1,223 | 1,365 | 1,102 | 355 | 524 | 896 | 795 |
| 21 | 558 | 480 | 642 | 2,311 | 1,262 | 1,393 | 1,559 | 1,248 | 400 | 594 | 1,026 | 796 |
| 22 | 558 | 480 | 648 | 2,316 | 1,265 | 1,395 | 1,562 | 1,236 | 401 | 594 | 1,027 | 797 |
| 23 | 559 | 481 | 654 | 2,320 | 1,268 | 1,398 | 1,565 | 1,225 | 401 | 594 | 1,027 | 797 |
| 24 | 559 | 481 | 660 | 2,324 | 1,271 | 1,400 | 1,568 | 1,213 | 401 | 594 | 1,028 | 798 |
| 25 | 560 | 481 | 667 | 2,329 | 1,274 | 1,403 | 1,571 | 1,202 | 401 | 595 | 1,028 | 798 |
| 26 | 560 | 481 | 673 | 2,333 | 1,277 | 1,406 | 1,574 | 1,192 | 402 | 595 | 1,029 | 799 |
| 27 | 561 | 481 | 680 | 2,338 | 1,280 | 1,408 | 1,577 | 1,181 | 402 | 595 | 1,029 | 799 |
| 28 | 561 | 482 | 687 | 2,343 | 1,283 | 1,411 | 1,580 | 1,171 | 402 | 596 | 1,030 | 800 |
| 29 | 561 | 482 | 694 | 2,348 | 1,287 | 1,414 | 1,584 | 1,161 | 402 | 596 | 1,030 | 801 |
| 30 | 562 | 482 | 701 | 2,353 | 1,290 | 1,417 | 1,587 | 1,151 | 403 | 596 | 1,031 | 801 |
| 31 | 562 | 482 | 708 | 2,358 | 1,293 | 1,419 | 1,590 | 1,142 | | | | |

## Table F-139 TOTAL COPPER CONCENTRATION OF SUSPENDED SOLID CONTAINED IN RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 1

Unit : ppm

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 467 | 461 | 447 | 579 |
| 2 | 597 | 614 | 617 | 576 | 592 | 469 | 453 | 441 | 483 | 467 | 450 | 582 |
| 3 | 601 | 618 | 620 | 577 | 593 | 470 | 453 | 442 | 484 | 467 | 450 | 582 |
| 4 | 601 | 618 | 620 | 577 | 593 | 470 | 453 | 442 | 483 | 467 | 451 | 582 |
| 5 | 601 | 618 | 620 | 577 | 593 | 470 | 453 | 442 | 483 | 467 | 451 | 582 |
| 6 | 601 | 618 | 620 | 577 | 593 | 470 | 454 | 443 | 483 | 467 | 451 | 582 |
| 7 | 601 | 618 | 620 | 577 | 593 | 470 | 454 | 443 | 483 | 467 | 451 | 582 |
| 8 | 601 | 619 | 619 | 577 | 593 | 470 | 454 | 443 | 483 | 467 | 451 | 582 |
| 9 | 601 | 619 | 619 | 577 | 593 | 471 | 454 | 444 | 483 | 467 | 451 | 582 |
| 10 | 601 | 619 | 619 | 577 | 593 | 471 | 454 | 444 | 483 | 467 | 451 | 582 |
| 11 | 601 | 619 | 619 | 577 | 594 | 471 | 454 | 444 | 482 | 467 | 451 | 582 |
| 12 | 601 | 619 | 618 | 577 | 594 | 471 | 454 | 444 | 482 | 467 | 451 | 582 |
| 13 | 601 | 619 | 618 | 577 | 594 | 471 | 454 | 445 | 482 | 467 | 451 | 582 |
| 14 | 601 | 619 | 618 | 577 | 594 | 471 | 454 | 445 | 482 | 467 | 451 | 582 |
| 15 | 601 | 619 | 618 | 577 | 594 | 472 | 454 | 445 | 482 | 467 | 451 | 582 |
| 16 | 601 | 619 | 617 | 578 | 594 | 472 | 454 | 446 | 482 | 467 | 451 | 582 |
| 17 | 601 | 619 | 617 | 578 | 594 | 472 | 454 | 446 | 482 | 467 | 451 | 582 |
| 18 | 601 | 619 | 617 | 578 | 594 | 472 | 454 | 446 | 481 | 467 | 451 | 582 |
| 19 | 601 | 620 | 617 | 578 | 594 | 472 | 454 | 446 | 481 | 467 | 451 | 582 |
| 20 | 601 | 620 | 616 | 578 | 594 | 472 | 454 | 447 | 481 | 467 | 451 | 582 |
| 21 | 601 | 620 | 616 | 578 | 594 | 424 | 407 | 400 | 435 | 420 | 403 | 582 |
| 22 | 601 | 620 | 616 | 578 | 594 | 424 | 407 | 400 | 435 | 420 | 403 | 582 |
| 23 | 601 | 620 | 615 | 578 | 594 | 424 | 407 | 401 | 435 | 420 | 403 | 582 |
| 24 | 601 | 620 | 615 | 578 | 594 | 424 | 407 | 401 | 434 | 420 | 403 | 582 |
| 25 | 601 | 620 | 615 | 578 | 594 | 425 | 407 | 401 | 434 | 420 | 403 | 582 |
| 26 | 601 | 620 | 615 | 578 | 594 | 425 | 407 | 402 | 434 | 420 | 403 | 582 |
| 27 | 601 | 620 | 614 | 578 | 594 | 425 | 408 | 402 | 434 | 419 | 403 | 582 |
| 28 | 601 | 621 | 614 | 578 | 595 | 425 | 408 | 402 | 434 | 419 | 403 | 582 |
| 29 | 601 | 621 | 614 | 578 | 595 | 426 | 408 | 403 | 434 | 419 | 403 | 582 |
| 30 | 601 | 621 | 613 | 579 | 595 | 426 | 408 | 403 | 434 | 419 | 403 | 582 |
| 31 | 601 | 621 | 613 | 579 | 595 | 426 | 408 | 403 | | | | |

## Table F-140 SOLUBLE COPPER CONCENTRATION OF SUSPENDED SOLID CONTAINED IN RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 1

Unit : ppm

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 123 | 120 | 114 | 155 |
| 2 | 172 | 189 | 193 | 151 | 168 | 132 | 118 | 109 | 138 | 126 | 117 | 158 |
| 3 | 176 | 193 | 196 | 152 | 169 | 133 | 118 | 109 | 138 | 126 | 117 | 158 |
| 4 | 176 | 194 | 196 | 152 | 169 | 133 | 118 | 109 | 138 | 126 | 117 | 158 |
| 5 | 176 | 194 | 195 | 152 | 169 | 133 | 118 | 109 | 138 | 126 | 117 | 158 |
| 6 | 176 | 194 | 195 | 152 | 169 | 133 | 118 | 109 | 138 | 126 | 117 | 158 |
| 7 | 176 | 194 | 195 | 152 | 169 | 133 | 118 | 109 | 137 | 126 | 116 | 158 |
| 8 | 176 | 194 | 195 | 152 | 169 | 133 | 118 | 109 | 137 | 126 | 116 | 158 |
| 9 | 176 | 194 | 194 | 152 | 169 | 133 | 118 | 109 | 137 | 126 | 116 | 158 |
| 10 | 176 | 194 | 194 | 152 | 169 | 133 | 118 | 110 | 137 | 126 | 116 | 158 |
| 11 | 176 | 194 | 194 | 152 | 169 | 133 | 117 | 110 | 137 | 126 | 116 | 158 |
| 12 | 176 | 194 | 194 | 152 | 169 | 133 | 117 | 110 | 137 | 126 | 116 | 158 |
| 13 | 176 | 194 | 193 | 152 | 169 | 133 | 117 | 110 | 136 | 126 | 116 | 158 |
| 14 | 176 | 194 | 193 | 152 | 169 | 133 | 117 | 110 | 136 | 125 | 116 | 158 |
| 15 | 176 | 194 | 193 | 153 | 169 | 133 | 117 | 110 | 136 | 125 | 116 | 158 |
| 16 | 177 | 195 | 193 | 153 | 169 | 133 | 117 | 110 | 136 | 125 | 116 | 158 |
| 17 | 177 | 195 | 192 | 153 | 169 | 133 | 117 | 110 | 136 | 125 | 116 | 158 |
| 18 | 177 | 195 | 192 | 153 | 169 | 133 | 117 | 110 | 135 | 125 | 116 | 158 |
| 19 | 177 | 195 | 192 | 153 | 169 | 133 | 117 | 110 | 135 | 125 | 116 | 157 |
| 20 | 177 | 195 | 192 | 153 | 170 | 133 | 117 | 110 | 135 | 125 | 116 | 157 |
| 21 | 177 | 195 | 191 | 153 | 170 | 117 | 102 | 97 | 120 | 110 | 102 | 157 |
| 22 | 177 | 195 | 191 | 153 | 170 | 117 | 102 | 97 | 119 | 110 | 101 | 157 |
| 23 | 177 | 195 | 191 | 153 | 170 | 117 | 102 | 97 | 119 | 110 | 101 | 157 |
| 24 | 177 | 195 | 191 | 153 | 170 | 117 | 102 | 97 | 119 | 110 | 101 | 157 |
| 25 | 177 | 196 | 190 | 153 | 170 | 117 | 102 | 97 | 119 | 110 | 101 | 157 |
| 26 | 177 | 196 | 190 | 153 | 170 | 117 | 102 | 97 | 119 | 110 | 101 | 157 |
| 27 | 177 | 196 | 190 | 153 | 170 | 117 | 102 | 97 | 118 | 110 | 101 | 157 |
| 28 | 177 | 196 | 189 | 154 | 170 | 117 | 102 | 97 | 118 | 109 | 101 | 157 |
| 29 | 177 | 196 | 189 | 154 | 170 | 117 | 102 | 98 | 118 | 109 | 101 | 157 |
| 30 | 177 | 196 | 189 | 154 | 170 | 117 | 102 | 98 | 118 | 109 | 101 | 157 |
| 31 | 177 | 196 | 189 | 154 | 170 | 117 | 102 | 98 | | | | |

## Table F-141 WATER SOLUBLE COPPER CONCENTRATION OF RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 4

Unit : ppb

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 24.0 | 21.0 | 17.9 | 17.0 | 18.7 | 20.0 |
| 2 | 21.1 | 21.9 | 22.7 | 23.9 | 25.4 | 26.5 | 18.9 | 12.7 | 15.3 | 12.8 | 15.7 | 16.9 |
| 3 | 17.9 | 18.7 | 19.9 | 21.4 | 23.8 | 25.6 | 24.1 | 14.2 | 13.6 | 16.4 | 18.0 | 19.1 |
| 4 | 19.9 | 20.3 | 21.9 | 23.4 | 25.0 | 26.3 | 27.2 | 19.1 | 18.0 | 17.8 | 19.4 | 20.3 |
| 5 | 21.1 | 21.9 | 22.9 | 24.2 | 25.4 | 20.4 | 16.1 | 12.2 | 13.9 | 15.4 | 16.6 | 18.3 |
| 6 | 19.3 | 20.1 | 21.1 | 22.8 | 24.2 | 25.5 | 26.6 | 20.8 | 17.7 | 18.2 | 17.9 | 19.6 |
| 7 | 20.4 | 21.2 | 22.0 | 23.4 | 24.7 | 25.8 | 26.9 | 27.0 | 24.8 | 25.8 | 26.5 | 27.2 |
| 8 | 28.1 | 28.8 | 29.6 | 30.1 | 30.3 | 30.6 | 30.3 | 29.2 | 21.3 | 22.9 | 24.1 | 25.0 |
| 9 | 25.6 | 26.3 | 27.3 | 28.0 | 28.6 | 28.8 | 28.7 | 25.6 | 18.8 | 19.1 | 20.8 | 22.0 |
| 10 | 22.9 | 23.5 | 24.4 | 25.4 | 26.5 | 27.4 | 27.9 | 28.2 | 28.4 | 28.7 | 29.3 | 29.8 |
| 11 | 30.1 | 30.5 | 31.0 | 31.3 | 31.2 | 30.1 | 28.9 | 12.7 | 15.7 | 18.1 | 19.0 | 19.7 |
| 12 | 20.8 | 22.0 | 23.8 | 25.3 | 26.5 | 27.4 | 19.8 | 19.1 | 18.0 | 19.0 | 20.2 | 21.3 |
| 13 | 22.1 | 22.9 | 24.3 | 25.8 | 26.9 | 27.7 | 18.9 | 17.1 | 14.6 | 16.4 | 17.9 | 19.4 |
| 14 | 20.8 | 21.9 | 23.2 | 24.8 | 26.1 | 20.0 | 20.5 | 19.8 | 14.2 | 16.5 | 17.8 | 18.7 |
| 15 | 19.6 | 20.7 | 22.3 | 24.1 | 25.5 | 26.7 | 27.5 | 10.0 | 12.7 | 12.0 | 14.5 | 16.6 |
| 16 | 17.4 | 18.1 | 19.5 | 21.1 | 22.5 | 24.5 | 16.9 | 16.2 | 16.9 | 17.8 | 18.8 | 19.6 |
| 17 | 20.3 | 21.2 | 22.7 | 24.1 | 15.2 | 15.0 | 15.3 | 14.9 | 13.3 | 16.3 | 18.0 | 19.7 |
| 18 | 20.6 | 21.4 | 22.4 | 24.0 | 25.4 | 26.6 | 24.0 | 10.0 | 8.2 | 9.2 | 12.1 | 14.6 |
| 19 | 15.8 | 17.2 | 19.6 | 21.3 | 23.9 | 25.9 | 16.5 | 14.0 | 11.2 | 13.1 | 15.4 | 16.4 |
| 20 | 18.9 | 20.9 | 22.5 | 23.9 | 25.2 | 25.9 | 19.4 | 15.3 | 13.6 | 12.5 | 15.6 | 16.7 |
| 21 | 18.2 | 19.6 | 21.3 | 23.6 | 25.9 | 25.2 | 22.7 | 23.3 | 22.1 | 22.0 | 15.1 | 17.7 |
| 22 | 18.9 | 19.8 | 21.0 | 22.8 | 24.4 | 25.9 | 24.8 | 22.0 | 18.5 | 17.4 | 19.2 | 20.6 |
| 23 | 21.8 | 22.6 | 23.5 | 25.2 | 26.6 | 27.6 | 18.4 | 12.2 | 15.5 | 12.8 | 15.4 | 16.8 |
| 24 | 18.0 | 19.0 | 20.6 | 22.5 | 25.1 | 26.7 | 24.4 | 13.7 | 13.4 | 16.7 | 18.4 | 19.7 |
| 25 | 20.6 | 21.5 | 23.0 | 24.8 | 26.4 | 27.4 | 28.1 | 18.4 | 17.6 | 17.6 | 19.3 | 20.4 |
| 26 | 21.3 | 22.2 | 23.6 | 25.3 | 26.7 | 20.2 | 15.7 | 11.8 | 13.9 | 15.6 | 16.9 | 18.7 |
| 27 | 19.8 | 20.7 | 22.0 | 24.0 | 25.7 | 27.0 | 28.0 | 20.4 | 17.3 | 18.1 | 17.8 | 19.7 |
| 28 | 20.6 | 21.5 | 22.6 | 24.3 | 25.9 | 27.2 | 28.0 | 27.6 | 24.9 | 26.1 | 26.9 | 27.6 |
| 29 | 28.7 | 29.7 | 30.6 | 31.1 | 31.2 | 31.3 | 30.7 | 29.1 | 20.4 | 22.4 | 23.9 | 24.9 |
| 30 | 25.7 | 26.4 | 27.7 | 28.6 | 29.2 | 29.2 | 28.9 | 25.2 | 18.0 | 18.7 | 20.6 | 22.0 |
| 31 | 23.0 | 23.8 | 24.7 | 26.1 | 27.5 | 28.3 | | | | | | |

## Table F-142 SUSPENDED SOLID CONCENTRATION OF RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 4

Unit : mg/l

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 2,075 | 445 | 1,035 | 791 |
| 2 | 561 | 492 | 477 | 1,394 | 1,142 | 1,368 | 1,392 | 331 | 581 | 275 | 1,040 | 781 |
| 3 | 542 | 456 | 988 | 3,376 | 948 | 1,201 | 1,319 | 529 | 358 | 942 | 1,040 | 782 |
| 4 | 542 | 457 | 947 | 2,400 | 1,318 | 1,226 | 1,373 | 1,397 | 1,552 | 546 | 1,042 | 783 |
| 5 | 544 | 460 | 879 | 3,188 | 2,857 | 1,314 | 1,061 | 229 | 404 | 584 | 609 | 794 |
| 6 | 560 | 487 | 493 | 2,406 | 2,285 | 2,636 | 1,779 | 1,363 | 1,525 | 649 | 509 | 754 |
| 7 | 561 | 487 | 513 | 3,737 | 2,775 | 2,932 | 1,451 | 1,274 | 1,329 | 922 | 870 | 739 |
| 8 | 2,110 | 3,071 | 3,475 | 2,497 | 1,754 | 2,652 | 1,635 | 1,273 | 1,397 | 1,001 | 982 | 751 |
| 9 | 521 | 453 | 1,763 | 1,479 | 1,612 | 1,388 | 1,260 | 1,351 | 1,510 | 656 | 906 | 797 |
| 10 | 567 | 499 | 494 | 923 | 1,582 | 1,576 | 1,256 | 1,276 | 1,262 | 907 | 2,725 | 2,161 |
| 11 | 1,592 | 2,228 | 2,881 | 2,317 | 1,637 | 1,227 | 1,320 | 331 | 624 | 840 | 1,031 | 762 |
| 12 | 519 | 505 | 2,018 | 2,103 | 1,640 | 1,450 | 1,397 | 1,573 | 594 | 660 | 1,040 | 783 |
| 13 | 546 | 462 | 749 | 1,543 | 1,170 | 1,829 | 1,417 | 1,081 | 319 | 668 | 1,040 | 785 |
| 14 | 556 | 488 | 475 | 1,289 | 2,089 | 1,342 | 1,527 | 1,176 | 236 | 750 | 1,037 | 771 |
| 15 | 525 | 505 | 4,208 | 1,963 | 2,644 | 2,971 | 1,258 | 334 | 307 | 283 | 702 | 799 |
| 16 | 558 | 476 | 724 | 4,050 | 6,384 | 1,983 | 1,440 | 968 | 555 | 611 | 1,034 | 766 |
| 17 | 515 | 711 | 5,131 | 4,868 | 1,113 | 628 | 470 | 419 | 319 | 1,080 | 1,045 | 796 |
| 18 | 559 | 480 | 687 | 2,981 | 2,484 | 3,956 | 1,334 | 235 | 126 | 290 | 1,049 | 787 |
| 19 | 546 | 457 | 981 | 4,239 | 1,195 | 1,226 | 1,476 | 428 | 235 | 401 | 1,048 | 784 |
| 20 | 560 | 505 | 521 | 1,025 | 1,051 | 1,416 | 974 | 293 | 324 | 305 | 948 | 789 |
| 21 | 553 | 476 | 640 | 1,693 | 981 | 1,512 | 1,710 | 1,845 | 953 | 734 | 263 | 645 |
| 22 | 568 | 496 | 504 | 3,234 | 3,646 | 2,989 | 1,511 | 1,668 | 1,209 | 508 | 1,198 | 800 |
| 23 | 569 | 498 | 477 | 2,518 | 1,188 | 1,606 | 1,647 | 360 | 667 | 312 | 1,205 | 791 |
| 24 | 550 | 459 | 1,360 | 3,527 | 989 | 1,412 | 1,555 | 563 | 408 | 1,089 | 1,204 | 792 |
| 25 | 550 | 459 | 1,285 | 2,496 | 1,371 | 1,441 | 1,614 | 1,654 | 1,610 | 595 | 1,206 | 793 |
| 26 | 552 | 463 | 1,160 | 3,340 | 2,996 | 1,556 | 1,045 | 259 | 461 | 671 | 700 | 804 |
| 27 | 568 | 494 | 562 | 2,479 | 2,363 | 3,113 | 2,097 | 1,615 | 1,773 | 675 | 582 | 764 |
| 28 | 569 | 494 | 588 | 3,854 | 2,912 | 3,466 | 1,709 | 1,505 | 1,568 | 1,083 | 1,022 | 730 |
| 29 | 2,185 | 3,226 | 3,643 | 2,599 | 1,824 | 3,135 | 1,928 | 1,505 | 1,650 | 1,174 | 1,152 | 773 |
| 30 | 539 | 443 | 1,804 | 1,544 | 1,680 | 1,637 | 1,489 | 1,596 | 1,727 | 683 | 1,048 | 808 |
| 31 | 575 | 507 | 496 | 1,157 | 1,938 | 1,860 | 1,485 | 1,504 | | | | |

## Table F-143 TOTAL COPPER CONCENTRATION OF SUSPENDED SOLID CONTAINED IN RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 4

Unit : ppm

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 429 | 471 | 445 | 581 |
| 2 | 596 | 612 | 627 | 587 | 593 | 464 | 447 | 484 | 461 | 484 | 443 | 580 |
| 3 | 599 | 621 | 596 | 571 | 603 | 463 | 455 | 468 | 477 | 447 | 447 | 585 |
| 4 | 606 | 628 | 601 | 578 | 595 | 473 | 466 | 448 | 438 | 472 | 450 | 588 |
| 5 | 610 | 632 | 606 | 573 | 579 | 459 | 451 | 508 | 472 | 461 | 461 | 578 |
| 6 | 595 | 612 | 625 | 575 | 580 | 447 | 462 | 455 | 441 | 469 | 477 | 584 |
| 7 | 602 | 619 | 631 | 569 | 578 | 446 | 474 | 468 | 456 | 468 | 476 | 614 |
| 8 | 581 | 576 | 577 | 588 | 601 | 455 | 475 | 474 | 450 | 460 | 461 | 595 |
| 9 | 620 | 640 | 582 | 589 | 589 | 470 | 467 | 454 | 439 | 465 | 454 | 584 |
| 10 | 601 | 616 | 626 | 601 | 587 | 463 | 467 | 464 | 461 | 481 | 442 | 582 |
| 11 | 592 | 586 | 582 | 591 | 603 | 482 | 465 | 491 | 461 | 453 | 451 | 592 |
| 12 | 618 | 630 | 579 | 582 | 591 | 471 | 452 | 440 | 471 | 466 | 452 | 539 |
| 13 | 612 | 634 | 610 | 586 | 594 | 457 | 449 | 447 | 489 | 460 | 449 | 585 |
| 14 | 601 | 615 | 625 | 587 | 580 | 454 | 443 | 447 | 505 | 455 | 449 | 589 |
| 15 | 615 | 631 | 568 | 586 | 583 | 449 | 484 | 491 | 479 | 477 | 452 | 575 |
| 16 | 594 | 615 | 608 | 569 | 566 | 464 | 452 | 454 | 476 | 470 | 454 | 595 |
| 17 | 628 | 622 | 568 | 572 | 577 | 472 | 481 | 480 | 484 | 445 | 449 | 583 |
| 18 | 603 | 624 | 618 | 575 | 582 | 439 | 468 | 504 | 500 | 466 | 440 | 576 |
| 19 | 596 | 617 | 593 | 568 | 597 | 473 | 445 | 474 | 490 | 466 | 443 | 581 |
| 20 | 592 | 600 | 604 | 585 | 587 | 451 | 452 | 493 | 479 | 476 | 445 | 580 |
| 21 | 597 | 614 | 611 | 581 | 589 | 407 | 396 | 391 | 410 | 420 | 457 | 579 |
| 22 | 592 | 608 | 623 | 571 | 574 | 403 | 419 | 402 | 403 | 434 | 401 | 585 |
| 23 | 602 | 619 | 637 | 577 | 596 | 420 | 402 | 439 | 414 | 438 | 395 | 580 |
| 24 | 601 | 625 | 590 | 573 | 605 | 423 | 408 | 425 | 429 | 399 | 399 | 585 |
| 25 | 608 | 632 | 593 | 580 | 597 | 428 | 420 | 402 | 392 | 425 | 401 | 587 |
| 26 | 610 | 635 | 598 | 575 | 582 | 414 | 409 | 457 | 425 | 414 | 414 | 578 |
| 27 | 596 | 614 | 622 | 577 | 582 | 402 | 417 | 409 | 392 | 424 | 428 | 582 |
| 28 | 601 | 620 | 626 | 571 | 581 | 401 | 429 | 422 | 407 | 418 | 426 | 615 |
| 29 | 581 | 578 | 579 | 591 | 603 | 408 | 428 | 425 | 402 | 409 | 410 | 592 |
| 30 | 615 | 641 | 582 | 589 | 589 | 424 | 421 | 407 | 392 | 420 | 405 | 583 |
| 31 | 600 | 615 | 629 | 595 | 584 | 419 | 422 | 417 | | | | |

## Table F-144 SOLUBLE COPPER CONCENTRATION OF SUSPENDED SOLID CONTAINED IN RELEASED WATER FROM PROPOSED SAN ROQUE DAM UNDER THE CASE OF RUN 4

Unit : ppm

| Year in Order | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 101 | 129 | 113 | 156 |
| 2 | 172 | 187 | 202 | 162 | 168 | 129 | 112 | 135 | 122 | 135 | 111 | 155 |
| 3 | 175 | 196 | 172 | 147 | 179 | 131 | 119 | 124 | 132 | 114 | 115 | 160 |
| 4 | 182 | 203 | 176 | 153 | 170 | 136 | 130 | 112 | 108 | 132 | 117 | 164 |
| 5 | 185 | 208 | 181 | 149 | 154 | 123 | 116 | 157 | 129 | 122 | 122 | 154 |
| 6 | 171 | 187 | 201 | 150 | 155 | 118 | 130 | 119 | 110 | 130 | 136 | 159 |
| 7 | 178 | 195 | 206 | 145 | 153 | 118 | 139 | 132 | 121 | 131 | 138 | 189 |
| 8 | 156 | 152 | 152 | 163 | 176 | 126 | 141 | 137 | 116 | 126 | 126 | 171 |
| 9 | 195 | 215 | 157 | 164 | 164 | 134 | 130 | 119 | 108 | 127 | 120 | 160 |
| 10 | 177 | 191 | 202 | 177 | 162 | 128 | 130 | 127 | 126 | 141 | 113 | 157 |
| 11 | 168 | 161 | 157 | 166 | 178 | 144 | 129 | 140 | 122 | 118 | 119 | 168 |
| 12 | 193 | 206 | 155 | 158 | 167 | 135 | 116 | 110 | 130 | 128 | 119 | 165 |
| 13 | 187 | 209 | 186 | 161 | 170 | 124 | 113 | 113 | 142 | 122 | 116 | 160 |
| 14 | 177 | 190 | 201 | 163 | 156 | 117 | 112 | 114 | 154 | 118 | 117 | 164 |
| 15 | 190 | 206 | 144 | 162 | 158 | 121 | 146 | 136 | 131 | 128 | 114 | 150 |
| 16 | 170 | 190 | 183 | 144 | 142 | 131 | 116 | 119 | 135 | 130 | 121 | 170 |
| 17 | 204 | 197 | 144 | 147 | 152 | 132 | 138 | 136 | 136 | 112 | 116 | 158 |
| 18 | 179 | 199 | 193 | 150 | 157 | 114 | 130 | 148 | 142 | 117 | 107 | 152 |
| 19 | 171 | 193 | 169 | 144 | 173 | 133 | 109 | 129 | 138 | 121 | 111 | 157 |
| 20 | 168 | 175 | 179 | 160 | 162 | 118 | 116 | 144 | 132 | 128 | 111 | 155 |
| 21 | 173 | 189 | 186 | 157 | 164 | 104 | 97 | 95 | 107 | 114 | 135 | 154 |
| 22 | 167 | 183 | 199 | 147 | 149 | 107 | 114 | 101 | 101 | 122 | 102 | 161 |
| 23 | 178 | 195 | 212 | 152 | 171 | 115 | 97 | 119 | 106 | 118 | 97 | 156 |
| 24 | 176 | 200 | 165 | 149 | 181 | 116 | 104 | 109 | 114 | 99 | 100 | 160 |
| 25 | 183 | 207 | 169 | 155 | 172 | 121 | 115 | 97 | 94 | 115 | 102 | 163 |
| 26 | 185 | 210 | 173 | 150 | 157 | 107 | 104 | 135 | 111 | 106 | 107 | 153 |
| 27 | 171 | 189 | 197 | 152 | 157 | 105 | 115 | 103 | 94 | 116 | 118 | 158 |
| 28 | 176 | 195 | 201 | 147 | 156 | 106 | 124 | 114 | 104 | 113 | 120 | 191 |
| 29 | 156 | 153 | 154 | 166 | 178 | 112 | 124 | 118 | 99 | 107 | 108 | 167 |
| 30 | 191 | 216 | 157 | 164 | 165 | 118 | 112 | 102 | 93 | 112 | 104 | 158 |
| 31 | 175 | 191 | 204 | 171 | 159 | 114 | 114 | 111 | | | | |

## Table F-145 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO ARIS AREA UNDER THE CASE OF RUN 1

Unit : g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 3 | 1 | 4 | 5 | – |
| 2 | 10 | 8 | 5 | 3 | 2 | 8 | 9 | 5 | 2 | 1 | 4 | 6 | 64 |
| 3 | 10 | 8 | 7 | 3 | 1 | 8 | 8 | 5 | 3 | 3 | 4 | 6 | 67 |
| 4 | 10 | 8 | 7 | 3 | 1 | 9 | 12 | 5 | 3 | 3 | 4 | 6 | 69 |
| 5 | 10 | 8 | 6 | 3 | 1 | 8 | 10 | 6 | 5 | 3 | 3 | 5 | 68 |
| 6 | 10 | 8 | 5 | 2 | 2 | 11 | 17 | 9 | 3 | 1 | 3 | 6 | 77 |
| 7 | 10 | 8 | 7 | 2 | 2 | 10 | 15 | 10 | 6 | 2 | 4 | 7 | 83 |
| 8 | 10 | 8 | 7 | 3 | 1 | 10 | 15 | 9 | 2 | 3 | 3 | 4 | 74 |
| 9 | 9 | 9 | 6 | 3 | 3 | 9 | 12 | 10 | 2 | 3 | 4 | 7 | 74 |
| 10 | 10 | 9 | 7 | 3 | 3 | 7 | 7 | 10 | 3 | 1 | 4 | 7 | 70 |
| 11 | 10 | 8 | 5 | 2 | 1 | 8 | 14 | 5 | 2 | 2 | 4 | 7 | 69 |
| 12 | 11 | 9 | 5 | 3 | 2 | 10 | 8 | 9 | 3 | 1 | 4 | 7 | 72 |
| 13 | 11 | 9 | 7 | 3 | 2 | 10 | 10 | 8 | 3 | 2 | 4 | 8 | 78 |
| 14 | 11 | 9 | 7 | 3 | 3 | 4 | 6 | 9 | 2 | 3 | 4 | 7 | 68 |
| 15 | 11 | 9 | 6 | 3 | 2 | 9 | 14 | 4 | 3 | 1 | 3 | 4 | 68 |
| 16 | 9 | 8 | 6 | 2 | 1 | 7 | 7 | 8 | 3 | 3 | 5 | 8 | 66 |
| 17 | 11 | 9 | 6 | 3 | 2 | 9 | 10 | 6 | 3 | 3 | 4 | 6 | 71 |
| 18 | 11 | 9 | 6 | 3 | 3 | 11 | 12 | 6 | 3 | 3 | 5 | 7 | 78 |
| 19 | 11 | 9 | 7 | 3 | 3 | 9 | 10 | 10 | 3 | 1 | 4 | 7 | 75 |
| 20 | 11 | 9 | 7 | 2 | 3 | 8 | 11 | 10 | 4 | 1 | 4 | 5 | 74 |
| 21 | 10 | 9 | 6 | 4 | 2 | 10 | 10 | 10 | 3 | 1 | 4 | 5 | 74 |
| 22 | 11 | 9 | 6 | 3 | 2 | 9 | 10 | 6 | 3 | 1 | 4 | 6 | 70 |
| 23 | 11 | 9 | 8 | 4 | 2 | 10 | 9 | 5 | 4 | 3 | 4 | 7 | 74 |
| 24 | 11 | 9 | 8 | 3 | 1 | 10 | 13 | 5 | 3 | 3 | 4 | 6 | 76 |
| 25 | 11 | 9 | 7 | 4 | 1 | 9 | 11 | 6 | 5 | 3 | 3 | 5 | 75 |
| 26 | 10 | 9 | 6 | 2 | 2 | 12 | 19 | 10 | 3 | 1 | 3 | 6 | 84 |
| 27 | 11 | 9 | 8 | 3 | 2 | 11 | 17 | 11 | 7 | 2 | 4 | 7 | 92 |
| 28 | 11 | 8 | 8 | 3 | 2 | 11 | 17 | 10 | 2 | 3 | 3 | 5 | 82 |
| 29 | 10 | 9 | 6 | 3 | 3 | 10 | 13 | 11 | 3 | 3 | 4 | 7 | 82 |
| 30 | 11 | 9 | 8 | 3 | 3 | 8 | 8 | 11 | 3 | 1 | 4 | 8 | 77 |
| 31 | 11 | 8 | 6 | 2 | 2 | 10 | 16 | 6 | | | | | – |
| Average | 11 | 9 | 7 | 3 | 2 | 9 | 12 | 8 | 3 | 2 | 4 | 6 | 74 |

## Table F-146 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO ARIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 23 | 15 | 116 | 232 | — |
| 2 | 397 | 302 | 208 | 274 | 82 | 241 | 195 | 104 | 23 | 16 | 115 | 277 | 2,233 |
| 3 | 392 | 308 | 267 | 304 | 59 | 245 | 183 | 98 | 32 | 41 | 115 | 301 | 2,344 |
| 4 | 403 | 311 | 261 | 278 | 50 | 251 | 259 | 100 | 28 | 38 | 112 | 276 | 2,367 |
| 5 | 399 | 323 | 249 | 287 | 42 | 232 | 224 | 112 | 43 | 45 | 82 | 229 | 2,266 |
| 6 | 375 | 303 | 204 | 197 | 80 | 302 | 378 | 174 | 27 | 18 | 98 | 278 | 2,434 |
| 7 | 408 | 326 | 265 | 208 | 87 | 280 | 337 | 186 | 57 | 25 | 110 | 303 | 2,593 |
| 8 | 407 | 288 | 260 | 242 | 61 | 272 | 333 | 173 | 18 | 39 | 79 | 208 | 2,379 |
| 9 | 356 | 321 | 221 | 248 | 112 | 240 | 254 | 187 | 22 | 40 | 111 | 310 | 2,422 |
| 10 | 395 | 321 | 268 | 267 | 121 | 196 | 154 | 184 | 22 | 13 | 114 | 337 | 2,392 |
| 11 | 399 | 282 | 212 | 147 | 62 | 229 | 308 | 96 | 22 | 27 | 112 | 327 | 2,223 |
| 12 | 420 | 328 | 220 | 272 | 98 | 277 | 175 | 164 | 23 | 13 | 111 | 325 | 2,425 |
| 13 | 423 | 325 | 254 | 264 | 105 | 291 | 220 | 137 | 29 | 33 | 122 | 354 | 2,558 |
| 14 | 423 | 326 | 266 | 303 | 137 | 117 | 133 | 158 | 16 | 39 | 123 | 307 | 2,348 |
| 15 | 414 | 325 | 234 | 251 | 79 | 245 | 289 | 69 | 25 | 19 | 95 | 171 | 2,215 |
| 16 | 337 | 309 | 223 | 163 | 55 | 186 | 151 | 136 | 23 | 39 | 134 | 377 | 2,131 |
| 17 | 423 | 320 | 252 | 250 | 68 | 236 | 218 | 106 | 26 | 37 | 106 | 266 | 2,308 |
| 18 | 427 | 324 | 259 | 237 | 113 | 291 | 245 | 94 | 23 | 42 | 147 | 342 | 2,545 |
| 19 | 427 | 322 | 259 | 264 | 105 | 252 | 214 | 157 | 24 | 15 | 113 | 291 | 2,443 |
| 20 | 402 | 327 | 286 | 208 | 105 | 200 | 230 | 157 | 32 | 15 | 113 | 229 | 2,304 |
| 21 | 391 | 326 | 256 | 307 | 64 | 267 | 200 | 159 | 23 | 16 | 120 | 238 | 2,367 |
| 22 | 414 | 315 | 239 | 287 | 86 | 250 | 199 | 88 | 22 | 16 | 115 | 278 | 2,307 |
| 23 | 400 | 314 | 303 | 315 | 61 | 253 | 187 | 83 | 31 | 41 | 115 | 302 | 2,405 |
| 24 | 410 | 316 | 296 | 288 | 52 | 259 | 264 | 85 | 27 | 38 | 112 | 278 | 2,425 |
| 25 | 407 | 329 | 284 | 298 | 44 | 239 | 229 | 95 | 42 | 45 | 82 | 230 | 2,324 |
| 26 | 382 | 309 | 233 | 205 | 84 | 311 | 385 | 148 | 26 | 18 | 98 | 280 | 2,480 |
| 27 | 416 | 332 | 304 | 216 | 91 | 289 | 344 | 158 | 56 | 25 | 111 | 305 | 2,647 |
| 28 | 416 | 294 | 298 | 253 | 63 | 281 | 340 | 147 | 18 | 39 | 79 | 209 | 2,436 |
| 29 | 362 | 327 | 256 | 260 | 117 | 248 | 260 | 161 | 22 | 40 | 112 | 312 | 2,476 |
| 30 | 403 | 327 | 310 | 280 | 126 | 203 | 158 | 157 | 22 | 13 | 115 | 339 | 2,453 |
| 31 | 407 | 287 | 246 | 154 | 65 | 238 | 317 | 82 | | | | | — |
| Average | 401 | 316 | 256 | 251 | 82 | 247 | 246 | 132 | 28 | 29 | 109 | 284 | 2,381 |

## Table F-147 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN ARIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 14 | 9 | 66 | 131 | — |
| 2 | 224 | 171 | 117 | 152 | 46 | 137 | 112 | 60 | 14 | 9 | 65 | 155 | 1,263 |
| 3 | 221 | 174 | 151 | 169 | 33 | 140 | 105 | 57 | 19 | 24 | 65 | 169 | 1,326 |
| 4 | 227 | 175 | 147 | 154 | 28 | 143 | 149 | 58 | 17 | 22 | 64 | 155 | 1,340 |
| 5 | 225 | 182 | 141 | 159 | 24 | 132 | 129 | 64 | 26 | 27 | 47 | 129 | 1,284 |
| 6 | 212 | 171 | 115 | 110 | 45 | 172 | 217 | 100 | 16 | 11 | 56 | 156 | 1,381 |
| 7 | 230 | 184 | 149 | 116 | 49 | 159 | 194 | 108 | 35 | 15 | 62 | 170 | 1,472 |
| 8 | 230 | 163 | 147 | 134 | 34 | 155 | 192 | 100 | 11 | 23 | 45 | 117 | 1,350 |
| 9 | 201 | 181 | 125 | 138 | 63 | 137 | 146 | 108 | 14 | 24 | 63 | 174 | 1,373 |
| 10 | 223 | 181 | 151 | 148 | 68 | 112 | 89 | 107 | 14 | 8 | 65 | 190 | 1,354 |
| 11 | 225 | 159 | 119 | 82 | 35 | 131 | 177 | 55 | 13 | 16 | 64 | 184 | 1,260 |
| 12 | 237 | 185 | 124 | 151 | 55 | 158 | 101 | 95 | 14 | 8 | 63 | 182 | 1,374 |
| 13 | 239 | 184 | 143 | 147 | 59 | 166 | 126 | 80 | 18 | 19 | 70 | 199 | 1,449 |
| 14 | 239 | 184 | 150 | 169 | 77 | 67 | 77 | 92 | 10 | 23 | 70 | 173 | 1,329 |
| 15 | 234 | 183 | 132 | 140 | 44 | 140 | 167 | 40 | 15 | 11 | 54 | 96 | 1,255 |
| 16 | 190 | 174 | 126 | 90 | 31 | 106 | 87 | 79 | 14 | 23 | 76 | 212 | 1,208 |
| 17 | 239 | 181 | 142 | 139 | 38 | 135 | 126 | 62 | 16 | 22 | 60 | 149 | 1,308 |
| 18 | 241 | 183 | 146 | 132 | 63 | 166 | 141 | 55 | 14 | 25 | 84 | 192 | 1,443 |
| 19 | 241 | 182 | 146 | 147 | 59 | 144 | 123 | 92 | 15 | 9 | 64 | 163 | 1,385 |
| 20 | 227 | 185 | 161 | 115 | 59 | 114 | 133 | 91 | 20 | 9 | 64 | 129 | 1,308 |
| 21 | 221 | 184 | 145 | 171 | 36 | 153 | 115 | 93 | 14 | 9 | 68 | 134 | 1,343 |
| 22 | 233 | 178 | 135 | 159 | 48 | 143 | 115 | 51 | 14 | 9 | 65 | 156 | 1,307 |
| 23 | 226 | 177 | 171 | 175 | 34 | 144 | 108 | 49 | 19 | 24 | 65 | 170 | 1,363 |
| 24 | 232 | 178 | 167 | 160 | 29 | 148 | 152 | 50 | 17 | 22 | 64 | 156 | 1,376 |
| 25 | 230 | 186 | 160 | 166 | 25 | 137 | 132 | 55 | 26 | 27 | 47 | 130 | 1,319 |
| 26 | 216 | 175 | 131 | 114 | 47 | 178 | 222 | 86 | 16 | 11 | 56 | 158 | 1,410 |
| 27 | 235 | 188 | 171 | 120 | 52 | 165 | 198 | 93 | 35 | 15 | 63 | 172 | 1,506 |
| 28 | 235 | 166 | 168 | 141 | 36 | 161 | 196 | 86 | 11 | 23 | 45 | 117 | 1,385 |
| 29 | 205 | 185 | 144 | 145 | 66 | 142 | 150 | 95 | 13 | 24 | 63 | 176 | 1,407 |
| 30 | 228 | 185 | 175 | 156 | 71 | 116 | 91 | 92 | 14 | 8 | 65 | 191 | 1,392 |
| 31 | 230 | 163 | 139 | 86 | 37 | 136 | 183 | 48 | | | | | — |
| Average | 226 | 178 | 145 | 140 | 46 | 141 | 142 | 77 | 17 | 17 | 62 | 159 | 1,350 |

## Table F-148 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO ARIS EXTENSION AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 3 | 1 | 3 | 4 | — |
| 2 | 10 | 8 | 5 | 3 | 1 | 8 | 10 | 5 | 2 | 1 | 3 | 5 | 62 |
| 3 | 9 | 8 | 7 | 3 | 1 | 8 | 9 | 5 | 4 | 3 | 3 | 5 | 65 |
| 4 | 10 | 8 | 7 | 3 | 1 | 9 | 12 | 5 | 3 | 3 | 3 | 5 | 68 |
| 5 | 10 | 8 | 6 | 3 | 1 | 8 | 10 | 6 | 5 | 3 | 2 | 4 | 66 |
| 6 | 9 | 8 | 5 | 2 | 1 | 10 | 18 | 9 | 3 | 1 | 2 | 5 | 75 |
| 7 | 10 | 8 | 7 | 2 | 1 | 10 | 16 | 10 | 7 | 2 | 3 | 6 | 81 |
| 8 | 10 | 8 | 7 | 2 | 1 | 10 | 16 | 9 | 2 | 3 | 2 | 3 | 73 |
| 9 | 8 | 9 | 6 | 2 | 2 | 9 | 12 | 10 | 3 | 3 | 3 | 6 | 72 |
| 10 | 9 | 8 | 7 | 3 | 2 | 7 | 8 | 10 | 3 | 1 | 3 | 7 | 67 |
| 11 | 10 | 7 | 5 | 1 | 1 | 9 | 15 | 5 | 2 | 2 | 3 | 6 | 67 |
| 12 | 10 | 9 | 5 | 3 | 2 | 10 | 9 | 9 | 3 | 1 | 3 | 6 | 69 |
| 13 | 11 | 9 | 6 | 3 | 2 | 11 | 11 | 8 | 3 | 2 | 3 | 7 | 75 |
| 14 | 11 | 9 | 7 | 3 | 3 | 5 | 7 | 9 | 2 | 3 | 3 | 6 | 65 |
| 15 | 10 | 8 | 6 | 2 | 2 | 9 | 15 | 4 | 3 | 1 | 2 | 3 | 66 |
| 16 | 8 | 8 | 5 | 2 | 1 | 7 | 7 | 8 | 3 | 3 | 4 | 7 | 63 |
| 17 | 10 | 8 | 6 | 2 | 1 | 9 | 11 | 6 | 3 | 2 | 3 | 5 | 68 |
| 18 | 11 | 8 | 6 | 2 | 3 | 11 | 13 | 6 | 3 | 3 | 4 | 7 | 76 |
| 19 | 11 | 8 | 6 | 3 | 2 | 10 | 11 | 10 | 3 | 1 | 3 | 6 | 73 |
| 20 | 10 | 9 | 7 | 2 | 2 | 8 | 12 | 10 | 4 | 1 | 3 | 4 | 71 |
| 21 | 10 | 9 | 6 | 3 | 1 | 11 | 11 | 3 | 1 | 4 | 6 | 6 | 71 |
| 22 | 10 | 9 | 6 | 3 | 1 | 10 | 11 | 6 | 3 | 1 | 3 | 5 | 68 |
| 23 | 10 | 9 | 8 | 4 | 1 | 10 | 10 | 5 | 4 | 3 | 3 | 6 | 71 |
| 24 | 10 | 9 | 8 | 3 | 1 | 10 | 14 | 6 | 3 | 3 | 3 | 5 | 74 |
| 25 | 10 | 9 | 7 | 3 | 1 | 10 | 12 | 6 | 5 | 3 | 2 | 4 | 73 |
| 26 | 10 | 8 | 6 | 2 | 1 | 12 | 20 | 10 | 3 | 1 | 3 | 5 | 82 |
| 27 | 11 | 9 | 8 | 2 | 2 | 11 | 18 | 11 | 7 | 2 | 3 | 6 | 90 |
| 28 | 11 | 8 | 8 | 3 | 1 | 11 | 18 | 10 | 2 | 3 | 2 | 3 | 80 |
| 29 | 9 | 9 | 6 | 3 | 3 | 10 | 14 | 11 | 3 | 3 | 3 | 6 | 80 |
| 30 | 10 | 9 | 8 | 3 | 3 | 8 | 9 | 11 | 3 | 1 | 3 | 7 | 74 |
| 31 | 10 | 8 | 6 | 2 | 2 | 10 | 17 | 6 | | | | | — |
| Average | 10 | 8 | 6 | 3 | 2 | 9 | 12 | 8 | 3 | 2 | 3 | 5 | 72 |

## Table F-149 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO ARIS EXTENSION AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 23 | 14 | 86 | 194 | — |
| 2 | 373 | 298 | 203 | 259 | 56 | 247 | 219 | 109 | 23 | 15 | 86 | 241 | 2,128 |
| 3 | 364 | 303 | 270 | 290 | 40 | 247 | 195 | 102 | 33 | 43 | 86 | 262 | 2,234 |
| 4 | 375 | 306 | 262 | 263 | 33 | 255 | 277 | 102 | 28 | 40 | 84 | 236 | 2,262 |
| 5 | 372 | 319 | 248 | 273 | 28 | 237 | 235 | 116 | 44 | 47 | 61 | 182 | 2,160 |
| 6 | 350 | 299 | 200 | 185 | 55 | 298 | 398 | 179 | 28 | 19 | 73 | 235 | 2,319 |
| 7 | 384 | 321 | 262 | 189 | 65 | 282 | 359 | 190 | 58 | 25 | 82 | 265 | 2,482 |
| 8 | 381 | 281 | 259 | 220 | 54 | 275 | 353 | 175 | 19 | 40 | 58 | 155 | 2,270 |
| 9 | 327 | 317 | 218 | 229 | 93 | 240 | 270 | 189 | 22 | 41 | 83 | 274 | 2,303 |
| 10 | 368 | 314 | 265 | 240 | 98 | 200 | 169 | 181 | 23 | 13 | 85 | 305 | 2,261 |
| 11 | 374 | 274 | 206 | 121 | 53 | 246 | 328 | 95 | 22 | 26 | 84 | 293 | 2,123 |
| 12 | 393 | 321 | 211 | 241 | 81 | 284 | 191 | 160 | 23 | 12 | 83 | 292 | 2,292 |
| 13 | 399 | 317 | 243 | 232 | 87 | 302 | 234 | 135 | 30 | 31 | 94 | 323 | 2,427 |
| 14 | 396 | 316 | 256 | 263 | 109 | 124 | 148 | 155 | 16 | 38 | 95 | 273 | 2,190 |
| 15 | 389 | 316 | 223 | 217 | 68 | 258 | 313 | 64 | 25 | 18 | 71 | 127 | 2,088 |
| 16 | 303 | 302 | 215 | 139 | 55 | 204 | 159 | 133 | 23 | 37 | 106 | 347 | 2,024 |
| 17 | 395 | 308 | 240 | 209 | 60 | 252 | 236 | 102 | 26 | 34 | 79 | 227 | 2,166 |
| 18 | 401 | 312 | 245 | 199 | 106 | 308 | 267 | 94 | 23 | 39 | 121 | 310 | 2,427 |
| 19 | 401 | 309 | 242 | 220 | 98 | 265 | 238 | 162 | 23 | 14 | 84 | 258 | 2,313 |
| 20 | 376 | 323 | 283 | 192 | 82 | 209 | 253 | 158 | 32 | 14 | 84 | 183 | 2,189 |
| 21 | 364 | 319 | 247 | 266 | 56 | 277 | 224 | 57 | 11 | 56 | 167 | 275 | 2,319 |
| 22 | 388 | 310 | 234 | 271 | 58 | 256 | 223 | 92 | 22 | 15 | 86 | 242 | 2,199 |
| 23 | 371 | 310 | 306 | 301 | 41 | 254 | 199 | 86 | 32 | 43 | 85 | 263 | 2,292 |
| 24 | 382 | 311 | 298 | 262 | 35 | 262 | 283 | 87 | 28 | 40 | 83 | 238 | 2,318 |
| 25 | 380 | 325 | 283 | 283 | 29 | 245 | 239 | 98 | 43 | 47 | 61 | 183 | 2,216 |
| 26 | 356 | 306 | 229 | 192 | 57 | 308 | 406 | 152 | 27 | 19 | 73 | 237 | 2,361 |
| 27 | 392 | 327 | 300 | 197 | 68 | 291 | 366 | 162 | 57 | 25 | 82 | 267 | 2,533 |
| 28 | 389 | 287 | 296 | 230 | 56 | 284 | 360 | 149 | 19 | 40 | 59 | 155 | 2,324 |
| 29 | 333 | 324 | 251 | 240 | 97 | 248 | 276 | 163 | 22 | 40 | 83 | 276 | 2,353 |
| 30 | 376 | 321 | 306 | 252 | 103 | 207 | 173 | 155 | 22 | 13 | 86 | 307 | 2,319 |
| 31 | 381 | 279 | 239 | 127 | 56 | 255 | 339 | 81 | | | | | — |
| Average | 374 | 309 | 251 | 227 | 66 | 254 | 264 | 129 | 28 | 30 | 85 | 248 | 2,266 |

## Table F-150 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN ARIS EXTENSION AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 14 | 8 | 49 | 109 | — |
| 2 | 210 | 168 | 115 | 144 | 31 | 141 | 126 | 63 | 14 | 9 | 49 | 135 | 1,204 |
| 3 | 205 | 171 | 152 | 161 | 22 | 140 | 112 | 59 | 20 | 25 | 49 | 147 | 1,264 |
| 4 | 212 | 173 | 148 | 146 | 19 | 145 | 159 | 59 | 17 | 23 | 48 | 133 | 1,281 |
| 5 | 210 | 180 | 140 | 152 | 16 | 135 | 135 | 67 | 27 | 27 | 35 | 102 | 1,225 |
| 6 | 197 | 169 | 113 | 103 | 31 | 170 | 229 | 104 | 17 | 11 | 42 | 132 | 1,316 |
| 7 | 217 | 181 | 148 | 105 | 36 | 160 | 206 | 110 | 36 | 15 | 46 | 149 | 1,410 |
| 8 | 215 | 159 | 146 | 122 | 30 | 156 | 203 | 101 | 12 | 24 | 33 | 87 | 1,288 |
| 9 | 185 | 179 | 123 | 127 | 52 | 136 | 155 | 110 | 14 | 24 | 47 | 154 | 1,306 |
| 10 | 208 | 177 | 149 | 134 | 55 | 114 | 97 | 105 | 14 | 8 | 49 | 171 | 1,281 |
| 11 | 211 | 155 | 116 | 68 | 30 | 140 | 189 | 55 | 13 | 15 | 48 | 165 | 1,204 |
| 12 | 222 | 181 | 119 | 134 | 46 | 162 | 110 | 93 | 14 | 7 | 47 | 164 | 1,299 |
| 13 | 225 | 179 | 137 | 129 | 49 | 172 | 135 | 78 | 18 | 18 | 53 | 181 | 1,376 |
| 14 | 224 | 178 | 144 | 146 | 61 | 71 | 85 | 90 | 10 | 22 | 54 | 153 | 1,240 |
| 15 | 219 | 178 | 126 | 121 | 38 | 147 | 180 | 38 | 15 | 10 | 40 | 71 | 1,185 |
| 16 | 171 | 170 | 121 | 77 | 31 | 117 | 91 | 78 | 14 | 22 | 60 | 195 | 1,148 |
| 17 | 223 | 174 | 135 | 116 | 34 | 144 | 136 | 59 | 16 | 20 | 45 | 127 | 1,229 |
| 18 | 227 | 176 | 138 | 111 | 60 | 176 | 154 | 55 | 14 | 23 | 69 | 174 | 1,377 |
| 19 | 226 | 174 | 136 | 123 | 55 | 151 | 137 | 94 | 14 | 8 | 48 | 145 | 1,312 |
| 20 | 212 | 183 | 159 | 107 | 46 | 119 | 146 | 92 | 20 | 8 | 48 | 103 | 1,244 |
| 21 | 205 | 180 | 139 | 148 | 32 | 158 | 129 | 33 | 7 | 33 | 95 | 154 | 1,314 |
| 22 | 219 | 176 | 132 | 151 | 33 | 146 | 129 | 54 | 14 | 9 | 49 | 136 | 1,246 |
| 23 | 209 | 175 | 173 | 168 | 23 | 145 | 115 | 51 | 20 | 25 | 49 | 148 | 1,300 |
| 24 | 216 | 176 | 168 | 151 | 20 | 150 | 163 | 51 | 17 | 23 | 47 | 134 | 1,316 |
| 25 | 214 | 184 | 160 | 158 | 16 | 140 | 138 | 57 | 26 | 28 | 35 | 103 | 1,259 |
| 26 | 201 | 173 | 129 | 107 | 32 | 176 | 234 | 89 | 17 | 11 | 42 | 133 | 1,344 |
| 27 | 222 | 185 | 169 | 109 | 38 | 166 | 211 | 95 | 35 | 15 | 47 | 150 | 1,442 |
| 28 | 220 | 162 | 167 | 128 | 32 | 163 | 208 | 87 | 11 | 23 | 34 | 87 | 1,322 |
| 29 | 188 | 183 | 142 | 133 | 55 | 142 | 159 | 96 | 14 | 24 | 47 | 155 | 1,338 |
| 30 | 212 | 181 | 173 | 140 | 58 | 118 | 100 | 91 | 14 | 8 | 49 | 173 | 1,316 |
| 31 | 215 | 158 | 135 | 71 | 32 | 146 | 196 | 48 | | | | | — |
| Average | 211 | 175 | 142 | 126 | 37 | 145 | 152 | 75 | 17 | 18 | 48 | 139 | 1,286 |

## Table F-151 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO ADRIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 2 | 1 | 2 | 3 | — |
| 2 | 9 | 7 | 5 | 3 | 1 | 8 | 9 | 5 | 2 | 1 | 2 | 4 | 56 |
| 3 | 8 | 7 | 7 | 3 | 1 | 8 | 8 | 5 | 3 | 3 | 2 | 5 | 59 |
| 4 | 8 | 7 | 6 | 3 | 1 | 8 | 12 | 5 | 3 | 3 | 2 | 4 | 62 |
| 5 | 8 | 8 | 6 | 3 | 1 | 7 | 10 | 5 | 4 | 3 | 1 | 3 | 60 |
| 6 | 8 | 7 | 5 | 2 | 1 | 9 | 17 | 9 | 3 | 1 | 2 | 4 | 68 |
| 7 | 9 | 8 | 6 | 2 | 1 | 9 | 15 | 9 | 6 | 2 | 2 | 5 | 74 |
| 8 | 9 | 7 | 6 | 2 | 1 | 9 | 15 | 9 | 2 | 3 | 1 | 2 | 66 |
| 9 | 7 | 8 | 5 | 3 | 2 | 8 | 12 | 9 | 2 | 3 | 2 | 5 | 66 |
| 10 | 8 | 8 | 6 | 3 | 2 | 6 | 7 | 9 | 2 | 1 | 2 | 5 | 61 |
| 11 | 8 | 7 | 5 | 1 | 1 | 8 | 14 | 5 | 2 | 2 | 2 | 5 | 61 |
| 12 | 9 | 8 | 5 | 3 | 2 | 9 | 8 | 8 | 2 | 1 | 2 | 5 | 63 |
| 13 | 9 | 8 | 6 | 3 | 2 | 10 | 10 | 7 | 3 | 2 | 2 | 6 | 68 |
| 14 | 9 | 8 | 6 | 3 | 2 | 4 | 6 | 8 | 2 | 3 | 2 | 5 | 59 |
| 15 | 9 | 8 | 5 | 2 | 1 | 8 | 14 | 3 | 3 | 1 | 2 | 2 | 60 |
| 16 | 7 | 7 | 5 | 2 | 1 | 7 | 7 | 7 | 2 | 3 | 3 | 6 | 57 |
| 17 | 9 | 8 | 6 | 2 | 1 | 8 | 11 | 6 | 3 | 3 | 2 | 4 | 62 |
| 18 | 9 | 8 | 6 | 2 | 2 | 10 | 12 | 5 | 3 | 3 | 3 | 6 | 69 |
| 19 | 9 | 8 | 6 | 2 | 2 | 9 | 11 | 9 | 3 | 1 | 2 | 5 | 66 |
| 20 | 9 | 8 | 7 | 2 | 2 | 7 | 11 | 9 | 3 | 1 | 2 | 3 | 65 |
| 21 | 8 | 8 | 6 | 3 | 1 | 9 | 10 | 3 | 1 | 3 | 4 | 5 | 63 |
| 22 | 9 | 8 | 6 | 3 | 1 | 9 | 10 | 5 | 3 | 1 | 2 | 4 | 61 |
| 23 | 8 | 8 | 8 | 4 | 1 | 9 | 9 | 5 | 3 | 3 | 2 | 5 | 65 |
| 24 | 9 | 8 | 7 | 3 | 1 | 9 | 13 | 5 | 3 | 3 | 2 | 4 | 68 |
| 25 | 9 | 8 | 7 | 3 | 1 | 9 | 11 | 6 | 5 | 3 | 2 | 3 | 66 |
| 26 | 8 | 8 | 6 | 2 | 1 | 11 | 19 | 9 | 3 | 1 | 2 | 4 | 75 |
| 27 | 9 | 8 | 7 | 2 | 2 | 10 | 17 | 10 | 7 | 2 | 2 | 5 | 82 |
| 28 | 9 | 7 | 7 | 3 | 1 | 10 | 17 | 9 | 2 | 3 | 1 | 2 | 73 |
| 29 | 8 | 8 | 6 | 3 | 2 | 9 | 13 | 10 | 2 | 3 | 2 | 5 | 72 |
| 30 | 9 | 8 | 8 | 3 | 3 | 8 | 8 | 10 | 3 | 1 | 2 | 6 | 68 |
| 31 | 9 | 7 | 6 | 2 | 1 | 9 | 16 | 5 | | | | | — |
| Average | 9 | 8 | 6 | 3 | 2 | 8 | 12 | 7 | 3 | 2 | 2 | 4 | 65 |

## Table F-152 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO ADRIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 22 | 16 | 62 | 152 | — |
| 2 | 324 | 272 | 194 | 271 | 56 | 223 | 206 | 98 | 21 | 17 | 61 | 192 | 1,935 |
| 3 | 315 | 278 | 261 | 301 | 40 | 224 | 188 | 93 | 29 | 43 | 61 | 216 | 2,048 |
| 4 | 325 | 280 | 254 | 274 | 33 | 230 | 261 | 94 | 25 | 40 | 60 | 192 | 2,069 |
| 5 | 322 | 292 | 241 | 284 | 28 | 216 | 222 | 106 | 40 | 46 | 44 | 137 | 1,977 |
| 6 | 304 | 274 | 193 | 197 | 55 | 270 | 373 | 167 | 25 | 20 | 52 | 187 | 2,117 |
| 7 | 333 | 293 | 252 | 191 | 63 | 256 | 337 | 179 | 54 | 26 | 59 | 217 | 2,260 |
| 8 | 331 | 256 | 248 | 225 | 48 | 248 | 334 | 164 | 17 | 41 | 42 | 110 | 2,065 |
| 9 | 276 | 290 | 209 | 234 | 86 | 222 | 253 | 174 | 21 | 41 | 59 | 224 | 2,091 |
| 10 | 321 | 287 | 255 | 247 | 91 | 181 | 162 | 169 | 21 | 14 | 62 | 254 | 2,064 |
| 11 | 325 | 251 | 198 | 127 | 49 | 219 | 309 | 86 | 21 | 27 | 61 | 242 | 1,914 |
| 12 | 343 | 294 | 205 | 250 | 75 | 255 | 180 | 149 | 21 | 14 | 59 | 242 | 2,086 |
| 13 | 347 | 289 | 231 | 234 | 81 | 271 | 225 | 127 | 29 | 33 | 70 | 270 | 2,207 |
| 14 | 345 | 289 | 243 | 267 | 103 | 111 | 135 | 144 | 15 | 39 | 71 | 223 | 1,986 |
| 15 | 338 | 289 | 212 | 221 | 62 | 230 | 298 | 59 | 23 | 20 | 51 | 91 | 1,893 |
| 16 | 251 | 276 | 204 | 143 | 48 | 186 | 148 | 124 | 21 | 39 | 81 | 292 | 1,814 |
| 17 | 344 | 282 | 228 | 214 | 55 | 224 | 225 | 94 | 24 | 36 | 57 | 178 | 1,960 |
| 18 | 350 | 286 | 235 | 205 | 94 | 273 | 253 | 90 | 22 | 41 | 95 | 256 | 2,200 |
| 19 | 349 | 281 | 228 | 219 | 87 | 236 | 221 | 146 | 22 | 15 | 61 | 208 | 2,075 |
| 20 | 327 | 296 | 272 | 204 | 78 | 190 | 238 | 145 | 29 | 16 | 61 | 138 | 1,993 |
| 21 | 313 | 291 | 235 | 271 | 51 | 246 | 211 | 55 | 12 | 40 | 131 | 225 | 2,081 |
| 22 | 337 | 284 | 223 | 283 | 58 | 231 | 210 | 83 | 21 | 17 | 61 | 193 | 2,002 |
| 23 | 321 | 283 | 296 | 312 | 41 | 231 | 192 | 79 | 29 | 43 | 61 | 217 | 2,105 |
| 24 | 331 | 285 | 288 | 284 | 35 | 237 | 266 | 80 | 25 | 40 | 60 | 193 | 2,123 |
| 25 | 328 | 298 | 272 | 295 | 29 | 222 | 226 | 90 | 39 | 46 | 43 | 138 | 2,031 |
| 26 | 309 | 280 | 221 | 204 | 57 | 278 | 381 | 142 | 25 | 20 | 52 | 188 | 2,157 |
| 27 | 340 | 299 | 289 | 198 | 65 | 264 | 344 | 152 | 53 | 26 | 59 | 219 | 2,308 |
| 28 | 338 | 262 | 284 | 235 | 51 | 257 | 341 | 140 | 16 | 40 | 42 | 111 | 2,117 |
| 29 | 281 | 296 | 241 | 245 | 90 | 230 | 259 | 150 | 20 | 41 | 60 | 226 | 2,139 |
| 30 | 327 | 293 | 295 | 259 | 96 | 187 | 166 | 144 | 21 | 14 | 62 | 256 | 2,119 |
| 31 | 332 | 256 | 229 | 133 | 51 | 226 | 319 | 74 | | | | | — |
| Average | 324 | 283 | 241 | 234 | 62 | 229 | 249 | 120 | 26 | 30 | 62 | 200 | 2,060 |

## Table F-153 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN ADRIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 13 | 9 | 35 | 86 | — |
| 2 | 183 | 154 | 110 | 150 | 31 | 127 | 118 | 57 | 13 | 10 | 35 | 108 | 1,095 |
| 3 | 178 | 157 | 147 | 167 | 22 | 127 | 108 | 54 | 18 | 25 | 35 | 121 | 1,159 |
| 4 | 183 | 158 | 143 | 152 | 19 | 131 | 150 | 54 | 16 | 23 | 34 | 108 | 1,172 |
| 5 | 182 | 165 | 136 | 158 | 16 | 123 | 127 | 61 | 24 | 27 | 25 | 77 | 1,121 |
| 6 | 171 | 155 | 109 | 109 | 31 | 153 | 215 | 96 | 16 | 12 | 30 | 105 | 1,202 |
| 7 | 188 | 165 | 142 | 106 | 35 | 146 | 194 | 104 | 33 | 15 | 33 | 122 | 1,284 |
| 8 | 187 | 145 | 140 | 125 | 27 | 141 | 192 | 95 | 10 | 24 | 24 | 62 | 1,172 |
| 9 | 156 | 164 | 118 | 130 | 49 | 127 | 146 | 101 | 13 | 24 | 34 | 126 | 1,186 |
| 10 | 181 | 162 | 144 | 138 | 51 | 103 | 93 | 98 | 13 | 8 | 35 | 143 | 1,169 |
| 11 | 183 | 142 | 112 | 70 | 28 | 124 | 178 | 50 | 13 | 16 | 35 | 136 | 1,086 |
| 12 | 194 | 166 | 116 | 139 | 42 | 145 | 104 | 86 | 13 | 8 | 34 | 136 | 1,182 |
| 13 | 196 | 163 | 131 | 130 | 45 | 154 | 130 | 74 | 18 | 19 | 40 | 152 | 1,251 |
| 14 | 195 | 163 | 137 | 149 | 58 | 64 | 78 | 84 | 9 | 23 | 40 | 125 | 1,125 |
| 15 | 191 | 163 | 120 | 123 | 35 | 131 | 171 | 34 | 14 | 12 | 29 | 51 | 1,074 |
| 16 | 142 | 156 | 115 | 80 | 27 | 106 | 85 | 72 | 13 | 23 | 46 | 164 | 1,029 |
| 17 | 194 | 159 | 129 | 119 | 31 | 128 | 129 | 55 | 15 | 21 | 32 | 100 | 1,112 |
| 18 | 198 | 161 | 132 | 114 | 53 | 156 | 146 | 53 | 14 | 24 | 54 | 144 | 1,248 |
| 19 | 197 | 159 | 129 | 122 | 49 | 135 | 128 | 85 | 14 | 9 | 35 | 117 | 1,178 |
| 20 | 185 | 167 | 154 | 113 | 44 | 108 | 137 | 85 | 18 | 9 | 35 | 77 | 1,132 |
| 21 | 177 | 164 | 132 | 151 | 29 | 141 | 122 | 32 | 7 | 23 | 74 | 126 | 1,179 |
| 22 | 190 | 161 | 126 | 157 | 33 | 132 | 121 | 49 | 13 | 10 | 35 | 109 | 1,135 |
| 23 | 181 | 160 | 167 | 174 | 23 | 132 | 110 | 46 | 18 | 25 | 35 | 122 | 1,193 |
| 24 | 187 | 161 | 163 | 158 | 20 | 135 | 153 | 47 | 15 | 23 | 34 | 108 | 1,205 |
| 25 | 186 | 168 | 155 | 164 | 16 | 127 | 130 | 53 | 24 | 27 | 25 | 78 | 1,154 |
| 26 | 175 | 158 | 124 | 114 | 32 | 159 | 220 | 83 | 15 | 12 | 30 | 106 | 1,228 |
| 27 | 192 | 169 | 163 | 110 | 37 | 151 | 198 | 89 | 33 | 15 | 33 | 123 | 1,315 |
| 28 | 191 | 148 | 160 | 131 | 29 | 147 | 197 | 82 | 10 | 24 | 24 | 62 | 1,204 |
| 29 | 159 | 167 | 136 | 137 | 51 | 132 | 150 | 88 | 13 | 24 | 34 | 127 | 1,216 |
| 30 | 185 | 166 | 166 | 144 | 54 | 107 | 96 | 85 | 13 | 8 | 35 | 144 | 1,203 |
| 31 | 187 | 145 | 129 | 74 | 29 | 130 | 184 | 43 | | | | | — |
| Average | 183 | 160 | 136 | 130 | 35 | 131 | 144 | 70 | 16 | 18 | 35 | 112 | 1,169 |

## Table F-154 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO LARIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 3 | 1 | 3 | 4 | — |
| 2 | 10 | 8 | 5 | 3 | 1 | 8 | 10 | 5 | 3 | 1 | 3 | 5 | 61 |
| 3 | 9 | 8 | 7 | 3 | 1 | 8 | 9 | 5 | 4 | 3 | 3 | 5 | 65 |
| 4 | 10 | 8 | 7 | 3 | 1 | 9 | 12 | 5 | 3 | 3 | 3 | 5 | 68 |
| 5 | 10 | 8 | 6 | 3 | 1 | 8 | 11 | 6 | 5 | 3 | 2 | 4 | 66 |
| 6 | 9 | 8 | 5 | 2 | 1 | 10 | 18 | 9 | 3 | 1 | 2 | 5 | 75 |
| 7 | 10 | 8 | 7 | 2 | 1 | 10 | 16 | 10 | 7 | 2 | 3 | 6 | 81 |
| 8 | 10 | 8 | 7 | 2 | 1 | 10 | 16 | 10 | 2 | 3 | 2 | 3 | 73 |
| 9 | 8 | 9 | 6 | 2 | 2 | 9 | 12 | 10 | 3 | 3 | 3 | 6 | 72 |
| 10 | 9 | 9 | 7 | 2 | 2 | 7 | 8 | 10 | 3 | 1 | 3 | 7 | 67 |
| 11 | 10 | 7 | 5 | 1 | 1 | 9 | 15 | 5 | 3 | 2 | 3 | 6 | 67 |
| 12 | 10 | 9 | 5 | 3 | 2 | 10 | 9 | 9 | 3 | 1 | 3 | 6 | 69 |
| 13 | 11 | 9 | 6 | 2 | 2 | 11 | 11 | 8 | 4 | 2 | 3 | 7 | 75 |
| 14 | 11 | 9 | 7 | 3 | 2 | 4 | 7 | 9 | 2 | 3 | 3 | 6 | 65 |
| 15 | 10 | 9 | 6 | 2 | 1 | 9 | 15 | 4 | 3 | 1 | 2 | 3 | 66 |
| 16 | 8 | 8 | 5 | 1 | 1 | 7 | 7 | 8 | 3 | 3 | 4 | 7 | 64 |
| 17 | 10 | 8 | 6 | 2 | 1 | 9 | 11 | 6 | 3 | 3 | 3 | 5 | 68 |
| 18 | 11 | 8 | 6 | 2 | 2 | 11 | 13 | 6 | 3 | 3 | 4 | 7 | 76 |
| 19 | 11 | 8 | 6 | 2 | 2 | 10 | 11 | 10 | 3 | 1 | 3 | 6 | 73 |
| 20 | 10 | 9 | 7 | 2 | 2 | 8 | 12 | 10 | 4 | 1 | 3 | 4 | 71 |
| 21 | 10 | 9 | 6 | 3 | 1 | 10 | 11 | 10 | 5 | 1 | 2 | 6 | 74 |
| 22 | 10 | 9 | 6 | 3 | 1 | 10 | 11 | 6 | 3 | 1 | 3 | 5 | 67 |
| 23 | 10 | 9 | 8 | 3 | 1 | 10 | 10 | 5 | 4 | 3 | 3 | 6 | 71 |
| 24 | 10 | 9 | 8 | 3 | 1 | 10 | 14 | 6 | 3 | 3 | 3 | 5 | 74 |
| 25 | 10 | 9 | 7 | 3 | 1 | 10 | 12 | 6 | 5 | 4 | 2 | 4 | 73 |
| 26 | 10 | 8 | 6 | 2 | 1 | 12 | 20 | 10 | 3 | 2 | 3 | 5 | 82 |
| 27 | 11 | 9 | 8 | 2 | 1 | 11 | 18 | 11 | 7 | 2 | 3 | 6 | 90 |
| 28 | 11 | 8 | 8 | 3 | 1 | 11 | 18 | 10 | 2 | 3 | 2 | 4 | 80 |
| 29 | 9 | 9 | 6 | 3 | 2 | 10 | 14 | 11 | 3 | 3 | 3 | 6 | 80 |
| 30 | 10 | 9 | 8 | 3 | 2 | 8 | 9 | 11 | 3 | 1 | 3 | 7 | 74 |
| 31 | 10 | 8 | 6 | 2 | 1 | 10 | 17 | 6 | | | | | — |
| Average | 10 | 8 | 6 | 2 | 1 | 9 | 13 | 8 | 3 | 2 | 3 | 5 | 72 |

## Table F-155 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO LARIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 24 | 17 | 89 | 194 | — |
| 2 | 371 | 298 | 204 | 253 | 47 | 243 | 217 | 107 | 23 | 18 | 88 | 238 | 2,107 |
| 3 | 363 | 304 | 271 | 282 | 33 | 244 | 199 | 102 | 33 | 45 | 88 | 261 | 2,225 |
| 4 | 374 | 307 | 264 | 256 | 28 | 251 | 279 | 104 | 28 | 42 | 86 | 236 | 2,256 |
| 5 | 371 | 320 | 251 | 266 | 23 | 237 | 239 | 116 | 44 | 49 | 63 | 184 | 2,163 |
| 6 | 351 | 301 | 203 | 184 | 46 | 291 | 400 | 181 | 28 | 21 | 75 | 236 | 2,317 |
| 7 | 383 | 322 | 264 | 177 | 54 | 278 | 361 | 195 | 59 | 28 | 84 | 263 | 2,467 |
| 8 | 380 | 282 | 260 | 208 | 43 | 272 | 358 | 179 | 19 | 43 | 60 | 159 | 2,263 |
| 9 | 326 | 319 | 219 | 219 | 76 | 239 | 272 | 192 | 23 | 44 | 85 | 271 | 2,285 |
| 10 | 369 | 315 | 266 | 230 | 80 | 197 | 170 | 187 | 23 | 15 | 88 | 302 | 2,243 |
| 11 | 373 | 276 | 208 | 116 | 43 | 239 | 331 | 97 | 23 | 29 | 87 | 290 | 2,112 |
| 12 | 393 | 323 | 215 | 232 | 66 | 275 | 191 | 165 | 23 | 14 | 85 | 289 | 2,273 |
| 13 | 397 | 318 | 244 | 217 | 71 | 293 | 238 | 140 | 31 | 35 | 96 | 318 | 2,400 |
| 14 | 395 | 318 | 256 | 248 | 90 | 118 | 144 | 160 | 17 | 42 | 97 | 269 | 2,155 |
| 15 | 388 | 318 | 224 | 204 | 55 | 251 | 316 | 67 | 26 | 21 | 73 | 131 | 2,072 |
| 16 | 302 | 305 | 216 | 132 | 44 | 200 | 160 | 138 | 24 | 42 | 108 | 341 | 2,011 |
| 17 | 395 | 311 | 241 | 197 | 49 | 246 | 238 | 106 | 27 | 39 | 81 | 224 | 2,154 |
| 18 | 402 | 316 | 248 | 188 | 85 | 297 | 268 | 98 | 24 | 45 | 121 | 305 | 2,398 |
| 19 | 400 | 311 | 242 | 202 | 78 | 259 | 235 | 162 | 25 | 16 | 87 | 254 | 2,272 |
| 20 | 376 | 324 | 285 | 191 | 68 | 204 | 252 | 161 | 32 | 17 | 87 | 184 | 2,180 |
| 21 | 363 | 320 | 249 | 251 | 46 | 269 | 222 | 162 | 42 | 15 | 60 | 271 | 2,270 |
| 22 | 387 | 311 | 235 | 264 | 49 | 252 | 221 | 90 | 23 | 17 | 88 | 239 | 2,177 |
| 23 | 370 | 310 | 308 | 293 | 35 | 251 | 203 | 86 | 32 | 45 | 88 | 263 | 2,283 |
| 24 | 381 | 312 | 300 | 265 | 29 | 259 | 284 | 88 | 28 | 42 | 86 | 237 | 2,312 |
| 25 | 379 | 326 | 286 | 276 | 24 | 244 | 243 | 99 | 43 | 49 | 63 | 185 | 2,218 |
| 26 | 357 | 307 | 231 | 191 | 48 | 301 | 408 | 154 | 27 | 21 | 75 | 238 | 2,359 |
| 27 | 391 | 328 | 302 | 184 | 56 | 287 | 368 | 166 | 58 | 28 | 85 | 265 | 2,517 |
| 28 | 388 | 288 | 297 | 218 | 45 | 281 | 365 | 153 | 18 | 43 | 61 | 160 | 2,316 |
| 29 | 332 | 325 | 253 | 230 | 80 | 247 | 278 | 165 | 22 | 43 | 85 | 273 | 2,334 |
| 30 | 376 | 322 | 308 | 241 | 84 | 204 | 174 | 160 | 23 | 14 | 89 | 304 | 2,299 |
| 31 | 381 | 282 | 242 | 121 | 46 | 248 | 341 | 82 | | | | | — |
| Average | 374 | 311 | 253 | 218 | 54 | 249 | 266 | 135 | 29 | 31 | 84 | 246 | 2,250 |

## Table F-156 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN LARIS AREA UNDER THE CASE OF RUN 1

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 15 | 10 | 50 | 109 | — |
| 2 | 210 | 169 | 115 | 141 | 26 | 138 | 125 | 61 | 14 | 10 | 50 | 134 | 1,193 |
| 3 | 205 | 171 | 153 | 157 | 19 | 139 | 114 | 59 | 20 | 26 | 50 | 147 | 1,259 |
| 4 | 211 | 173 | 149 | 142 | 16 | 143 | 160 | 60 | 17 | 25 | 49 | 133 | 1,278 |
| 5 | 209 | 180 | 142 | 148 | 13 | 135 | 137 | 67 | 27 | 29 | 36 | 103 | 1,226 |
| 6 | 198 | 170 | 114 | 103 | 26 | 166 | 230 | 105 | 17 | 12 | 43 | 133 | 1,316 |
| 7 | 216 | 182 | 149 | 98 | 30 | 158 | 207 | 113 | 36 | 16 | 48 | 148 | 1,401 |
| 8 | 214 | 159 | 146 | 116 | 24 | 155 | 206 | 104 | 11 | 25 | 34 | 89 | 1,285 |
| 9 | 184 | 180 | 124 | 122 | 43 | 136 | 157 | 111 | 14 | 26 | 48 | 152 | 1,296 |
| 10 | 208 | 178 | 150 | 128 | 45 | 112 | 98 | 108 | 14 | 9 | 50 | 170 | 1,270 |
| 11 | 211 | 156 | 118 | 64 | 24 | 136 | 190 | 56 | 14 | 17 | 49 | 163 | 1,198 |
| 12 | 222 | 182 | 121 | 129 | 37 | 157 | 110 | 96 | 14 | 8 | 48 | 162 | 1,288 |
| 13 | 224 | 180 | 138 | 121 | 40 | 167 | 137 | 81 | 19 | 21 | 55 | 179 | 1,362 |
| 14 | 223 | 179 | 144 | 138 | 50 | 68 | 83 | 93 | 10 | 25 | 55 | 151 | 1,221 |
| 15 | 219 | 180 | 126 | 114 | 31 | 143 | 182 | 39 | 16 | 12 | 42 | 73 | 1,176 |
| 16 | 171 | 172 | 122 | 73 | 25 | 114 | 92 | 80 | 15 | 24 | 61 | 192 | 1,141 |
| 17 | 223 | 176 | 136 | 109 | 28 | 140 | 137 | 62 | 16 | 23 | 46 | 126 | 1,222 |
| 18 | 227 | 179 | 140 | 105 | 48 | 169 | 154 | 57 | 15 | 26 | 69 | 171 | 1,360 |
| 19 | 226 | 176 | 137 | 112 | 44 | 148 | 135 | 95 | 15 | 10 | 49 | 143 | 1,289 |
| 20 | 212 | 183 | 160 | 106 | 38 | 117 | 145 | 94 | 20 | 10 | 49 | 104 | 1,238 |
| 21 | 205 | 181 | 140 | 140 | 26 | 153 | 128 | 94 | 26 | 9 | 34 | 153 | 1,289 |
| 22 | 219 | 176 | 132 | 147 | 28 | 144 | 127 | 53 | 14 | 10 | 50 | 135 | 1,235 |
| 23 | 209 | 175 | 174 | 163 | 20 | 144 | 117 | 51 | 20 | 26 | 50 | 148 | 1,295 |
| 24 | 215 | 176 | 169 | 148 | 16 | 148 | 164 | 51 | 17 | 25 | 49 | 134 | 1,312 |
| 25 | 214 | 184 | 161 | 154 | 14 | 140 | 140 | 58 | 27 | 29 | 36 | 104 | 1,260 |
| 26 | 202 | 173 | 130 | 107 | 27 | 172 | 235 | 90 | 17 | 12 | 43 | 134 | 1,343 |
| 27 | 221 | 185 | 170 | 102 | 32 | 164 | 212 | 97 | 36 | 16 | 48 | 149 | 1,433 |
| 28 | 219 | 163 | 168 | 121 | 25 | 161 | 211 | 90 | 11 | 25 | 34 | 90 | 1,318 |
| 29 | 187 | 184 | 143 | 128 | 45 | 141 | 161 | 97 | 14 | 26 | 49 | 154 | 1,327 |
| 30 | 213 | 182 | 174 | 134 | 47 | 117 | 101 | 94 | 14 | 9 | 51 | 171 | 1,305 |
| 31 | 215 | 159 | 136 | 68 | 26 | 142 | 197 | 48 | | | | | — |
| Average | 211 | 175 | 143 | 121 | 30 | 142 | 153 | 79 | 18 | 18 | 48 | 138 | 1,277 |

## Table F-157 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO ARIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 9 | 4 | 21 | 38 | — |
| 2 | 88 | 74 | 44 | 19 | 10 | 41 | 24 | 9 | 7 | 3 | 17 | 38 | 374 |
| 3 | 72 | 63 | 48 | 19 | 7 | 40 | 28 | 10 | 9 | 10 | 20 | 46 | 372 |
| 4 | 83 | 68 | 51 | 19 | 6 | 42 | 45 | 14 | 10 | 10 | 21 | 45 | 414 |
| 5 | 87 | 77 | 51 | 20 | 5 | 30 | 23 | 10 | 12 | 11 | 13 | 34 | 372 |
| 6 | 74 | 66 | 38 | 13 | 9 | 48 | 64 | 27 | 10 | 5 | 17 | 44 | 415 |
| 7 | 85 | 75 | 52 | 14 | 10 | 45 | 57 | 37 | 29 | 10 | 28 | 66 | 510 |
| 8 | 118 | 90 | 68 | 21 | 9 | 52 | 64 | 38 | 8 | 14 | 18 | 42 | 541 |
| 9 | 93 | 91 | 53 | 20 | 15 | 43 | 46 | 36 | 9 | 12 | 22 | 55 | 496 |
| 10 | 93 | 81 | 57 | 20 | 15 | 33 | 27 | 39 | 13 | 6 | 32 | 80 | 498 |
| 11 | 123 | 93 | 57 | 13 | 9 | 43 | 57 | 9 | 7 | 7 | 21 | 52 | 491 |
| 12 | 90 | 78 | 45 | 20 | 12 | 47 | 22 | 24 | 8 | 4 | 22 | 55 | 427 |
| 13 | 96 | 80 | 53 | 20 | 13 | 50 | 26 | 18 | 9 | 8 | 21 | 55 | 450 |
| 14 | 90 | 77 | 53 | 22 | 17 | 14 | 17 | 24 | 5 | 10 | 21 | 46 | 396 |
| 15 | 83 | 72 | 44 | 17 | 10 | 40 | 50 | 5 | 7 | 3 | 13 | 23 | 368 |
| 16 | 60 | 60 | 37 | 10 | 6 | 28 | 16 | 18 | 8 | 10 | 24 | 59 | 335 |
| 17 | 87 | 73 | 48 | 17 | 5 | 22 | 21 | 13 | 7 | 9 | 18 | 42 | 362 |
| 18 | 89 | 74 | 48 | 16 | 13 | 48 | 37 | 8 | 4 | 6 | 17 | 40 | 400 |
| 19 | 68 | 59 | 42 | 16 | 12 | 40 | 22 | 18 | 6 | 3 | 17 | 38 | 341 |
| 20 | 77 | 73 | 53 | 14 | 12 | 32 | 28 | 20 | 9 | 3 | 17 | 31 | 368 |
| 21 | 72 | 68 | 45 | 20 | 8 | 41 | 29 | 31 | 11 | 5 | 17 | 34 | 381 |
| 22 | 79 | 67 | 41 | 18 | 10 | 40 | 31 | 16 | 9 | 4 | 21 | 46 | 381 |
| 23 | 88 | 76 | 57 | 22 | 8 | 43 | 22 | 9 | 10 | 8 | 17 | 41 | 399 |
| 24 | 75 | 64 | 48 | 18 | 6 | 42 | 40 | 10 | 8 | 10 | 20 | 44 | 385 |
| 25 | 85 | 75 | 52 | 21 | 5 | 40 | 40 | 15 | 15 | 12 | 15 | 38 | 413 |
| 26 | 82 | 73 | 43 | 14 | 10 | 38 | 38 | 15 | 8 | 4 | 16 | 42 | 383 |
| 27 | 83 | 73 | 52 | 14 | 11 | 47 | 60 | 28 | 20 | 7 | 19 | 48 | 462 |
| 28 | 86 | 67 | 52 | 17 | 8 | 46 | 59 | 36 | 9 | 16 | 20 | 46 | 462 |
| 29 | 105 | 103 | 60 | 22 | 17 | 47 | 49 | 41 | 9 | 14 | 26 | 62 | 554 |
| 30 | 104 | 91 | 65 | 22 | 17 | 36 | 28 | 35 | 8 | 4 | 23 | 59 | 492 |
| 31 | 94 | 72 | 45 | 11 | 8 | 40 | | | | | | | — |
| Average | 87 | 75 | 50 | 18 | 10 | 40 | 37 | 21 | 10 | 8 | 20 | 46 | 421 |

## Table F-158 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO ARIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 101 | 14 | 134 | 235 | — |
| 2 | 404 | 310 | 186 | 183 | 76 | 270 | 195 | 33 | 33 | 9 | 128 | 269 | 2,095 |
| 3 | 383 | 299 | 412 | 441 | 48 | 243 | 183 | 46 | 31 | 67 | 132 | 302 | 2,588 |
| 4 | 409 | 312 | 392 | 297 | 54 | 264 | 295 | 113 | 96 | 42 | 131 | 285 | 2,690 |
| 5 | 414 | 334 | 357 | 397 | 89 | 235 | 176 | 29 | 46 | 49 | 58 | 225 | 2,409 |
| 6 | 369 | 299 | 181 | 207 | 136 | 589 | 555 | 207 | 92 | 24 | 65 | 268 | 2,992 |
| 7 | 418 | 335 | 248 | 327 | 178 | 607 | 431 | 233 | 190 | 46 | 128 | 340 | 3,481 |
| 8 | 1,378 | 1,455 | 1,211 | 285 | 90 | 568 | 487 | 225 | 61 | 76 | 94 | 213 | 6,143 |
| 9 | 370 | 338 | 539 | 174 | 142 | 279 | 263 | 228 | 75 | 51 | 117 | 317 | 2,892 |
| 10 | 407 | 330 | 234 | 126 | 146 | 247 | 159 | 225 | 74 | 25 | 340 | 916 | 3,230 |
| 11 | 1,096 | 1,091 | 830 | 163 | 87 | 253 | 333 | 34 | 34 | 40 | 133 | 335 | 4,429 |
| 12 | 431 | 368 | 592 | 261 | 128 | 337 | 180 | 218 | 36 | 16 | 132 | 335 | 3,036 |
| 13 | 442 | 339 | 303 | 189 | 99 | 410 | 223 | 130 | 28 | 40 | 143 | 356 | 2,702 |
| 14 | 426 | 325 | 216 | 183 | 212 | 114 | 144 | 166 | 12 | 53 | 144 | 310 | 2,306 |
| 15 | 422 | 364 | 1,199 | 228 | 156 | 545 | 336 | 25 | 21 | 10 | 73 | 163 | 3,541 |
| 16 | 324 | 299 | 248 | 270 | 236 | 299 | 159 | 125 | 36 | 47 | 161 | 391 | 2,595 |
| 17 | 451 | 480 | 1,557 | 510 | 54 | 121 | 89 | 49 | 23 | 68 | 124 | 267 | 3,792 |
| 18 | 433 | 331 | 286 | 301 | 207 | 810 | 267 | 27 | 9 | 22 | 159 | 326 | 3,177 |
| 19 | 404 | 304 | 354 | 458 | 102 | 253 | 216 | 71 | 16 | 11 | 126 | 287 | 2,602 |
| 20 | 383 | 309 | 218 | 96 | 83 | 206 | 163 | 54 | 28 | 9 | 114 | 225 | 1,889 |
| 21 | 379 | 314 | 249 | 231 | 48 | 258 | 209 | 230 | 49 | 20 | 41 | 189 | 2,216 |
| 22 | 397 | 305 | 193 | 384 | 217 | 489 | 215 | 124 | 57 | 15 | 135 | 286 | 2,819 |
| 23 | 409 | 325 | 245 | 340 | 57 | 286 | 187 | 30 | 46 | 23 | 129 | 298 | 2,376 |
| 24 | 401 | 309 | 527 | 425 | 43 | 259 | 267 | 44 | 27 | 63 | 130 | 281 | 2,777 |
| 25 | 414 | 332 | 487 | 323 | 48 | 254 | 265 | 130 | 133 | 47 | 97 | 238 | 2,767 |
| 26 | 394 | 319 | 366 | 287 | 181 | 315 | 261 | 45 | 28 | 20 | 71 | 275 | 2,561 |
| 27 | 407 | 329 | 260 | 228 | 156 | 574 | 515 | 230 | 197 | 30 | 73 | 294 | 3,292 |
| 28 | 419 | 300 | 271 | 397 | 132 | 625 | 447 | 222 | 61 | 74 | 93 | 232 | 3,273 |
| 29 | 1,243 | 1,711 | 1,093 | 310 | 174 | 526 | 384 | 251 | 75 | 77 | 133 | 321 | 6,298 |
| 30 | 417 | 331 | 663 | 195 | 160 | 236 | 162 | 226 | 75 | 15 | 120 | 345 | 2,946 |
| 31 | 412 | 295 | 166 | 84 | 92 | 303 | 331 | 122 | | | | | — |
| Average | 489 | 436 | 470 | 277 | 121 | 359 | 270 | 130 | 60 | 37 | 122 | 304 | 3,074 |

## Table F-159 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN ARIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 60 | 10 | 85 | 150 | — |
| 2 | 271 | 211 | 126 | 111 | 48 | 171 | 120 | 23 | 22 | 7 | 80 | 169 | 1,358 |
| 3 | 250 | 199 | 253 | 253 | 30 | 156 | 116 | 31 | 22 | 42 | 84 | 192 | 1,628 |
| 4 | 270 | 209 | 244 | 174 | 33 | 168 | 187 | 70 | 58 | 29 | 84 | 182 | 1,707 |
| 5 | 275 | 226 | 225 | 229 | 52 | 146 | 109 | 21 | 32 | 33 | 39 | 142 | 1,530 |
| 6 | 244 | 201 | 121 | 121 | 80 | 350 | 341 | 128 | 56 | 16 | 45 | 171 | 1,874 |
| 7 | 277 | 225 | 165 | 188 | 104 | 359 | 269 | 148 | 121 | 31 | 86 | 223 | 2,195 |
| 8 | 822 | 850 | 703 | 168 | 54 | 341 | 303 | 145 | 38 | 49 | 62 | 140 | 3,676 |
| 9 | 255 | 236 | 326 | 107 | 86 | 177 | 170 | 145 | 46 | 35 | 76 | 204 | 1,861 |
| 10 | 275 | 226 | 160 | 80 | 90 | 154 | 102 | 146 | 48 | 17 | 205 | 548 | 2,050 |
| 11 | 670 | 651 | 488 | 97 | 53 | 163 | 214 | 24 | 23 | 26 | 84 | 213 | 2,706 |
| 12 | 286 | 245 | 351 | 154 | 77 | 211 | 111 | 133 | 25 | 11 | 85 | 215 | 1,905 |
| 13 | 296 | 231 | 196 | 115 | 62 | 253 | 137 | 81 | 20 | 27 | 90 | 226 | 1,733 |
| 14 | 284 | 221 | 148 | 113 | 126 | 71 | 89 | 105 | 9 | 35 | 91 | 196 | 1,486 |
| 15 | 278 | 240 | 684 | 135 | 91 | 322 | 212 | 17 | 15 | 8 | 48 | 102 | 2,150 |
| 16 | 211 | 197 | 157 | 154 | 133 | 180 | 96 | 78 | 24 | 32 | 102 | 247 | 1,612 |
| 17 | 296 | 304 | 883 | 290 | 33 | 79 | 61 | 34 | 17 | 42 | 78 | 170 | 2,285 |
| 18 | 287 | 223 | 184 | 174 | 121 | 472 | 167 | 19 | 7 | 15 | 97 | 201 | 1,968 |
| 19 | 260 | 199 | 218 | 261 | 62 | 161 | 131 | 49 | 12 | 8 | 79 | 179 | 1,619 |
| 20 | 253 | 210 | 149 | 61 | 53 | 131 | 105 | 41 | 21 | 6 | 72 | 141 | 1,242 |
| 21 | 248 | 210 | 161 | 138 | 31 | 165 | 130 | 143 | 33 | 14 | 32 | 123 | 1,428 |
| 22 | 262 | 205 | 129 | 222 | 124 | 291 | 135 | 77 | 36 | 10 | 86 | 183 | 1,760 |
| 23 | 273 | 220 | 166 | 199 | 36 | 181 | 115 | 21 | 31 | 17 | 80 | 186 | 1,526 |
| 24 | 262 | 205 | 317 | 244 | 27 | 166 | 169 | 30 | 19 | 40 | 82 | 179 | 1,739 |
| 25 | 274 | 224 | 296 | 189 | 29 | 162 | 168 | 80 | 81 | 33 | 62 | 151 | 1,749 |
| 26 | 262 | 215 | 225 | 166 | 105 | 194 | 164 | 33 | 20 | 13 | 48 | 174 | 1,619 |
| 27 | 269 | 221 | 172 | 133 | 92 | 342 | 316 | 142 | 120 | 20 | 51 | 188 | 2,065 |
| 28 | 278 | 202 | 178 | 228 | 77 | 369 | 278 | 142 | 39 | 49 | 63 | 153 | 2,054 |
| 29 | 741 | 998 | 634 | 183 | 105 | 315 | 239 | 161 | 46 | 50 | 87 | 210 | 3,769 |
| 30 | 287 | 233 | 400 | 120 | 97 | 150 | 105 | 144 | 46 | 10 | 79 | 222 | 1,891 |
| 31 | 279 | 202 | 127 | 52 | 55 | 189 | 182 | 67 | | | | | — |
| Average | 317 | 281 | 286 | 162 | 72 | 219 | 168 | 83 | 38 | 24 | 78 | 193 | 1,921 |

## Table F-160 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO ARIS EXTENSION AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 8 | 4 | 16 | 32 | — |
| 2 | 83 | 73 | 43 | 18 | 7 | 42 | 26 | 10 | 7 | 3 | 13 | 33 | 357 |
| 3 | 67 | 62 | 49 | 18 | 5 | 40 | 30 | 10 | 9 | 11 | 15 | 40 | 355 |
| 4 | 77 | 67 | 52 | 18 | 4 | 42 | 48 | 14 | 11 | 11 | 16 | 39 | 398 |
| 5 | 81 | 76 | 51 | 19 | 3 | 30 | 24 | 10 | 13 | 11 | 10 | 27 | 355 |
| 6 | 69 | 65 | 38 | 12 | 6 | 48 | 67 | 27 | 10 | 5 | 13 | 37 | 398 |
| 7 | 81 | 74 | 51 | 13 | 8 | 46 | 61 | 38 | 30 | 10 | 21 | 58 | 489 |
| 8 | 110 | 87 | 68 | 19 | 8 | 53 | 68 | 38 | 8 | 14 | 14 | 31 | 518 |
| 9 | 86 | 90 | 52 | 19 | 13 | 43 | 49 | 37 | 9 | 12 | 17 | 48 | 474 |
| 10 | 87 | 80 | 56 | 18 | 12 | 34 | 30 | 39 | 13 | 6 | 24 | 73 | 471 |
| 11 | 115 | 90 | 55 | 11 | 8 | 46 | 60 | 9 | 7 | 7 | 15 | 46 | 471 |
| 12 | 84 | 76 | 43 | 18 | 10 | 48 | 24 | 24 | 8 | 4 | 16 | 50 | 405 |
| 13 | 90 | 78 | 51 | 17 | 11 | 52 | 28 | 18 | 9 | 8 | 16 | 50 | 429 |
| 14 | 84 | 74 | 51 | 19 | 14 | 15 | 19 | 24 | 5 | 10 | 16 | 41 | 372 |
| 15 | 78 | 70 | 42 | 15 | 8 | 43 | 54 | 5 | 7 | 3 | 10 | 17 | 352 |
| 16 | 54 | 58 | 35 | 8 | 6 | 31 | 17 | 17 | 8 | 10 | 19 | 54 | 318 |
| 17 | 81 | 70 | 46 | 14 | 4 | 23 | 23 | 12 | 7 | 8 | 14 | 36 | 339 |
| 18 | 84 | 71 | 46 | 14 | 13 | 51 | 40 | 8 | 4 | 5 | 14 | 36 | 385 |
| 19 | 64 | 57 | 39 | 13 | 11 | 42 | 25 | 19 | 5 | 3 | 12 | 34 | 324 |
| 20 | 72 | 72 | 52 | 13 | 10 | 33 | 31 | 20 | 9 | 3 | 13 | 24 | 352 |
| 21 | 67 | 67 | 43 | 18 | 7 | 43 | 32 | 30 | 10 | 5 | 13 | 28 | 363 |
| 22 | 74 | 66 | 40 | 17 | 7 | 41 | 35 | 17 | 9 | 4 | 16 | 40 | 364 |
| 23 | 82 | 75 | 58 | 21 | 5 | 43 | 23 | 9 | 11 | 8 | 13 | 35 | 382 |
| 24 | 70 | 63 | 49 | 17 | 4 | 43 | 43 | 10 | 8 | 10 | 15 | 37 | 369 |
| 25 | 79 | 74 | 51 | 20 | 4 | 41 | 42 | 15 | 16 | 13 | 11 | 30 | 396 |
| 26 | 76 | 72 | 42 | 14 | 7 | 38 | 40 | 16 | 8 | 5 | 12 | 35 | 364 |
| 27 | 78 | 72 | 51 | 13 | 8 | 48 | 64 | 29 | 21 | 7 | 14 | 42 | 446 |
| 28 | 81 | 65 | 52 | 16 | 7 | 47 | 63 | 36 | 10 | 16 | 15 | 34 | 440 |
| 29 | 96 | 102 | 59 | 21 | 14 | 47 | 52 | 42 | 9 | 14 | 19 | 55 | 529 |
| 30 | 97 | 90 | 64 | 20 | 14 | 36 | 31 | 35 | 8 | 4 | 17 | 54 | 469 |
| 31 | 88 | 70 | 44 | 9 | 7 | 43 | | | | | | | — |
| Average | 81 | 74 | 49 | 16 | 8 | 41 | 40 | 21 | 10 | 8 | 15 | 40 | 402 |

## Table F-161 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO ARIS EXTENSION AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 99 | 13 | 99 | 197 | — |
| 2 | 380 | 305 | 182 | 173 | 52 | 277 | 218 | 34 | 33 | 9 | 95 | 235 | 1,992 |
| 3 | 355 | 295 | 417 | 421 | 32 | 244 | 195 | 48 | 32 | 70 | 99 | 263 | 2,472 |
| 4 | 381 | 308 | 393 | 281 | 36 | 267 | 315 | 116 | 98 | 44 | 98 | 244 | 2,580 |
| 5 | 385 | 330 | 355 | 377 | 59 | 241 | 184 | 30 | 47 | 51 | 44 | 179 | 2,282 |
| 6 | 344 | 295 | 177 | 194 | 93 | 581 | 585 | 213 | 95 | 25 | 49 | 226 | 2,878 |
| 7 | 394 | 329 | 245 | 298 | 132 | 611 | 459 | 238 | 194 | 46 | 95 | 297 | 3,338 |
| 8 | 1,289 | 1,417 | 1,206 | 260 | 80 | 575 | 515 | 228 | 64 | 77 | 70 | 159 | 5,939 |
| 9 | 341 | 334 | 530 | 161 | 118 | 278 | 280 | 230 | 76 | 52 | 87 | 280 | 2,766 |
| 10 | 379 | 323 | 231 | 114 | 120 | 251 | 174 | 222 | 75 | 25 | 254 | 828 | 2,997 |
| 11 | 1,025 | 1,061 | 807 | 135 | 74 | 271 | 356 | 34 | 34 | 39 | 99 | 300 | 4,235 |
| 12 | 404 | 360 | 569 | 231 | 106 | 346 | 196 | 214 | 36 | 16 | 99 | 301 | 2,877 |
| 13 | 417 | 330 | 291 | 166 | 82 | 426 | 238 | 128 | 28 | 39 | 110 | 324 | 2,578 |
| 14 | 399 | 315 | 208 | 159 | 169 | 121 | 160 | 163 | 12 | 52 | 112 | 275 | 2,145 |
| 15 | 396 | 354 | 1,144 | 197 | 134 | 574 | 363 | 23 | 21 | 10 | 55 | 122 | 3,392 |
| 16 | 292 | 292 | 240 | 231 | 237 | 329 | 167 | 123 | 35 | 45 | 128 | 361 | 2,479 |
| 17 | 421 | 462 | 1,485 | 425 | 48 | 129 | 96 | 47 | 23 | 63 | 92 | 227 | 3,518 |
| 18 | 407 | 319 | 270 | 253 | 195 | 857 | 291 | 27 | 9 | 20 | 131 | 296 | 3,074 |
| 19 | 380 | 291 | 330 | 382 | 95 | 266 | 240 | 73 | 15 | 10 | 94 | 254 | 2,431 |
| 20 | 358 | 305 | 216 | 89 | 66 | 214 | 179 | 55 | 29 | 8 | 85 | 179 | 1,783 |
| 21 | 352 | 306 | 240 | 200 | 42 | 267 | 234 | 227 | 48 | 19 | 30 | 158 | 2,125 |
| 22 | 373 | 301 | 189 | 363 | 147 | 502 | 241 | 129 | 57 | 14 | 101 | 250 | 2,669 |
| 23 | 379 | 321 | 248 | 325 | 39 | 287 | 199 | 31 | 48 | 24 | 96 | 259 | 2,257 |
| 24 | 374 | 305 | 530 | 402 | 29 | 262 | 286 | 45 | 27 | 65 | 97 | 240 | 2,662 |
| 25 | 385 | 328 | 485 | 307 | 31 | 260 | 277 | 135 | 136 | 49 | 72 | 189 | 2,655 |
| 26 | 367 | 315 | 359 | 269 | 124 | 311 | 275 | 46 | 29 | 21 | 53 | 232 | 2,401 |
| 27 | 384 | 324 | 257 | 207 | 115 | 577 | 549 | 235 | 201 | 30 | 54 | 256 | 3,190 |
| 28 | 392 | 292 | 270 | 361 | 118 | 632 | 473 | 225 | 64 | 75 | 69 | 173 | 3,144 |
| 29 | 1,144 | 1,691 | 1,075 | 286 | 144 | 526 | 408 | 254 | 76 | 78 | 100 | 284 | 6,065 |
| 30 | 389 | 325 | 655 | 176 | 130 | 241 | 178 | 223 | 75 | 15 | 90 | 312 | 2,808 |
| 31 | 386 | 286 | 180 | 69 | 79 | 326 | 354 | 121 | | | | | — |
| Average | 456 | 427 | 459 | 250 | 98 | 368 | 290 | 131 | 61 | 37 | 92 | 263 | 2,931 |

## Table F-162 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN ARIS EXTENSION AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 59 | 9 | 63 | 126 | --- |
| 2 | 254 | 208 | 124 | 105 | 32 | 175 | 135 | 24 | 22 | 6 | 60 | 147 | 1,292 |
| 3 | 232 | 196 | 256 | 242 | 20 | 156 | 124 | 32 | 23 | 45 | 62 | 167 | 1,555 |
| 4 | 252 | 206 | 245 | 164 | 22 | 170 | 200 | 71 | 60 | 30 | 62 | 155 | 1,638 |
| 5 | 256 | 223 | 223 | 218 | 34 | 149 | 114 | 22 | 33 | 34 | 29 | 113 | 1,450 |
| 6 | 227 | 198 | 118 | 114 | 55 | 346 | 358 | 132 | 58 | 16 | 34 | 145 | 1,802 |
| 7 | 261 | 222 | 163 | 171 | 77 | 361 | 286 | 152 | 123 | 31 | 64 | 195 | 2,105 |
| 8 | 770 | 827 | 700 | 153 | 48 | 345 | 320 | 147 | 40 | 50 | 46 | 104 | 3,551 |
| 9 | 235 | 233 | 320 | 99 | 72 | 177 | 181 | 147 | 47 | 35 | 57 | 181 | 1,782 |
| 10 | 256 | 222 | 158 | 72 | 73 | 157 | 112 | 143 | 48 | 17 | 153 | 495 | 1,907 |
| 11 | 627 | 633 | 474 | 80 | 45 | 175 | 229 | 24 | 23 | 25 | 63 | 191 | 2,588 |
| 12 | 268 | 240 | 337 | 137 | 64 | 217 | 121 | 130 | 24 | 11 | 63 | 193 | 1,805 |
| 13 | 279 | 224 | 188 | 101 | 51 | 263 | 146 | 80 | 21 | 26 | 69 | 206 | 1,654 |
| 14 | 266 | 214 | 142 | 98 | 100 | 75 | 99 | 103 | 9 | 34 | 70 | 174 | 1,385 |
| 15 | 261 | 233 | 652 | 116 | 78 | 339 | 230 | 16 | 15 | 7 | 36 | 76 | 2,059 |
| 16 | 190 | 193 | 151 | 132 | 134 | 198 | 101 | 77 | 24 | 30 | 81 | 228 | 1,538 |
| 17 | 276 | 292 | 842 | 241 | 29 | 84 | 65 | 32 | 17 | 39 | 58 | 145 | 2,121 |
| 18 | 270 | 215 | 174 | 147 | 114 | 499 | 182 | 19 | 7 | 14 | 80 | 183 | 1,903 |
| 19 | 244 | 191 | 203 | 217 | 58 | 170 | 146 | 50 | 11 | 7 | 59 | 159 | 1,515 |
| 20 | 236 | 207 | 147 | 56 | 41 | 136 | 116 | 41 | 21 | 6 | 54 | 112 | 1,174 |
| 21 | 231 | 205 | 156 | 120 | 27 | 170 | 146 | 141 | 32 | 13 | 24 | 103 | 1,368 |
| 22 | 246 | 202 | 126 | 210 | 85 | 299 | 152 | 80 | 36 | 10 | 64 | 159 | 1,668 |
| 23 | 254 | 217 | 168 | 191 | 24 | 181 | 122 | 22 | 32 | 18 | 60 | 162 | 1,451 |
| 24 | 244 | 202 | 318 | 230 | 18 | 168 | 181 | 30 | 19 | 42 | 61 | 153 | 1,667 |
| 25 | 255 | 221 | 295 | 180 | 19 | 165 | 175 | 83 | 84 | 34 | 46 | 121 | 1,678 |
| 26 | 244 | 213 | 221 | 156 | 72 | 192 | 173 | 34 | 20 | 14 | 35 | 147 | 1,521 |
| 27 | 254 | 218 | 169 | 121 | 68 | 344 | 337 | 145 | 122 | 20 | 38 | 164 | 2,000 |
| 28 | 260 | 197 | 177 | 207 | 68 | 373 | 295 | 143 | 41 | 50 | 47 | 114 | 1,972 |
| 29 | 682 | 986 | 623 | 169 | 87 | 315 | 253 | 163 | 47 | 50 | 65 | 186 | 3,627 |
| 30 | 267 | 228 | 395 | 108 | 79 | 152 | 115 | 142 | 46 | 10 | 59 | 201 | 1,802 |
| 31 | 260 | 196 | 123 | 43 | 47 | 203 | 194 | 67 | | | | | --- |
| Average | 295 | 275 | 280 | 147 | 58 | 225 | 180 | 83 | 39 | 24 | 59 | 167 | 1,832 |

## Table F-163 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO ADRIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 8 | 4 | 11 | 25 | — |
| 2 | 72 | 66 | 41 | 19 | 7 | 38 | 25 | 9 | 7 | 3 | 9 | 26 | 322 |
| 3 | 58 | 57 | 47 | 19 | 5 | 36 | 29 | 9 | 8 | 11 | 11 | 33 | 322 |
| 4 | 67 | 62 | 50 | 19 | 4 | 38 | 45 | 13 | 9 | 11 | 11 | 31 | 360 |
| 5 | 70 | 69 | 50 | 20 | 3 | 28 | 23 | 9 | 11 | 11 | 7 | 20 | 321 |
| 6 | 60 | 60 | 36 | 13 | 6 | 43 | 63 | 25 | 9 | 6 | 9 | 29 | 361 |
| 7 | 70 | 67 | 49 | 13 | 7 | 41 | 57 | 36 | 28 | 10 | 15 | 47 | 442 |
| 8 | 96 | 80 | 65 | 20 | 7 | 48 | 64 | 36 | 7 | 14 | 10 | 22 | 468 |
| 9 | 73 | 82 | 50 | 19 | 12 | 40 | 46 | 34 | 8 | 12 | 12 | 40 | 427 |
| 10 | 75 | 73 | 54 | 18 | 12 | 31 | 29 | 36 | 12 | 6 | 18 | 61 | 424 |
| 11 | 100 | 83 | 53 | 11 | 7 | 41 | 57 | 8 | 7 | 7 | 11 | 38 | 424 |
| 12 | 73 | 70 | 42 | 18 | 9 | 44 | 23 | 22 | 8 | 4 | 12 | 41 | 365 |
| 13 | 78 | 71 | 48 | 17 | 10 | 47 | 27 | 17 | 9 | 8 | 12 | 42 | 387 |
| 14 | 74 | 68 | 48 | 19 | 13 | 14 | 18 | 22 | 5 | 10 | 12 | 33 | 335 |
| 15 | 68 | 64 | 40 | 15 | 7 | 38 | 52 | 5 | 6 | 4 | 7 | 12 | 318 |
| 16 | 44 | 53 | 33 | 9 | 5 | 28 | 16 | 16 | 8 | 10 | 15 | 46 | 283 |
| 17 | 71 | 64 | 43 | 15 | 4 | 21 | 22 | 11 | 7 | 9 | 10 | 28 | 304 |
| 18 | 73 | 65 | 44 | 14 | 11 | 45 | 38 | 7 | 4 | 6 | 11 | 30 | 348 |
| 19 | 56 | 52 | 37 | 13 | 10 | 38 | 23 | 17 | 5 | 3 | 9 | 27 | 290 |
| 20 | 63 | 66 | 50 | 14 | 9 | 30 | 29 | 18 | 8 | 3 | 9 | 18 | 318 |
| 21 | 58 | 61 | 41 | 18 | 6 | 38 | 30 | 28 | 10 | 6 | 9 | 22 | 327 |
| 22 | 65 | 60 | 38 | 18 | 7 | 37 | 33 | 15 | 8 | 4 | 11 | 32 | 328 |
| 23 | 71 | 68 | 56 | 22 | 5 | 39 | 22 | 8 | 9 | 8 | 9 | 29 | 347 |
| 24 | 60 | 58 | 47 | 18 | 4 | 39 | 41 | 9 | 7 | 10 | 11 | 30 | 334 |
| 25 | 68 | 68 | 50 | 21 | 4 | 37 | 40 | 14 | 15 | 12 | 8 | 22 | 359 |
| 26 | 66 | 66 | 41 | 14 | 7 | 34 | 37 | 14 | 7 | 5 | 8 | 28 | 329 |
| 27 | 68 | 66 | 49 | 13 | 8 | 43 | 60 | 27 | 19 | 7 | 10 | 34 | 405 |
| 28 | 70 | 60 | 49 | 16 | 6 | 42 | 59 | 34 | 9 | 16 | 11 | 24 | 396 |
| 29 | 81 | 93 | 56 | 21 | 13 | 44 | 49 | 38 | 9 | 14 | 14 | 45 | 477 |
| 30 | 85 | 82 | 62 | 20 | 13 | 33 | 30 | 32 | 8 | 4 | 12 | 45 | 425 |
| 31 | 77 | 64 | 42 | 10 | 6 | 39 | | | | | | | — |
| Average | 70 | 67 | 47 | 17 | 8 | 37 | 37 | 20 | 9 | 8 | 11 | 32 | 363 |

## Table F-164 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO ADRIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 95 | 15 | 71 | 154 | — |
| 2 | 329 | 279 | 174 | 180 | 52 | 250 | 205 | 31 | 31 | 9 | 68 | 187 | 1,797 |
| 3 | 308 | 270 | 403 | 437 | 32 | 222 | 188 | 43 | 29 | 70 | 71 | 217 | 2,290 |
| 4 | 330 | 281 | 381 | 293 | 36 | 241 | 297 | 106 | 88 | 44 | 70 | 198 | 2,366 |
| 5 | 334 | 302 | 345 | 394 | 59 | 219 | 174 | 28 | 43 | 50 | 31 | 135 | 2,113 |
| 6 | 299 | 270 | 171 | 206 | 93 | 526 | 549 | 199 | 88 | 26 | 35 | 180 | 2,641 |
| 7 | 342 | 301 | 236 | 300 | 128 | 555 | 431 | 223 | 180 | 48 | 68 | 243 | 3,056 |
| 8 | 1,120 | 1,293 | 1,155 | 265 | 72 | 520 | 488 | 215 | 56 | 78 | 50 | 114 | 5,425 |
| 9 | 288 | 305 | 508 | 165 | 109 | 259 | 262 | 212 | 70 | 52 | 62 | 229 | 2,521 |
| 10 | 330 | 295 | 222 | 117 | 112 | 228 | 167 | 207 | 69 | 27 | 184 | 689 | 2,648 |
| 11 | 892 | 970 | 775 | 141 | 68 | 241 | 335 | 31 | 32 | 40 | 72 | 248 | 3,845 |
| 12 | 352 | 329 | 552 | 240 | 98 | 311 | 185 | 198 | 34 | 18 | 71 | 250 | 2,637 |
| 13 | 362 | 301 | 277 | 168 | 76 | 381 | 229 | 120 | 27 | 41 | 81 | 271 | 2,335 |
| 14 | 348 | 288 | 198 | 162 | 159 | 109 | 146 | 151 | 12 | 53 | 83 | 225 | 1,933 |
| 15 | 344 | 323 | 1,088 | 201 | 122 | 513 | 345 | 21 | 19 | 11 | 39 | 87 | 3,114 |
| 16 | 242 | 267 | 227 | 238 | 205 | 299 | 156 | 114 | 33 | 47 | 97 | 304 | 2,230 |
| 17 | 367 | 422 | 1,411 | 436 | 44 | 115 | 92 | 43 | 22 | 66 | 66 | 179 | 3,262 |
| 18 | 356 | 292 | 259 | 260 | 173 | 760 | 276 | 25 | 8 | 21 | 102 | 244 | 2,776 |
| 19 | 331 | 265 | 311 | 380 | 84 | 237 | 224 | 66 | 15 | 11 | 68 | 205 | 2,198 |
| 20 | 311 | 279 | 208 | 95 | 62 | 195 | 168 | 51 | 26 | 9 | 62 | 135 | 1,601 |
| 21 | 303 | 280 | 228 | 204 | 38 | 237 | 220 | 211 | 46 | 21 | 22 | 124 | 1,935 |
| 22 | 324 | 275 | 181 | 379 | 147 | 454 | 227 | 117 | 54 | 16 | 72 | 199 | 2,444 |
| 23 | 328 | 293 | 240 | 337 | 39 | 260 | 192 | 28 | 43 | 24 | 69 | 214 | 2,068 |
| 24 | 324 | 279 | 513 | 419 | 29 | 237 | 269 | 42 | 24 | 66 | 69 | 195 | 2,466 |
| 25 | 334 | 300 | 471 | 321 | 31 | 236 | 262 | 124 | 125 | 48 | 52 | 143 | 2,446 |
| 26 | 319 | 288 | 346 | 287 | 124 | 282 | 258 | 43 | 27 | 22 | 38 | 184 | 2,217 |
| 27 | 333 | 296 | 248 | 209 | 112 | 524 | 515 | 221 | 187 | 31 | 39 | 210 | 2,924 |
| 28 | 341 | 267 | 258 | 369 | 106 | 571 | 449 | 211 | 56 | 76 | 50 | 123 | 2,877 |
| 29 | 966 | 1,547 | 1,030 | 293 | 134 | 488 | 383 | 234 | 70 | 79 | 71 | 232 | 5,526 |
| 30 | 339 | 297 | 630 | 181 | 121 | 218 | 171 | 208 | 70 | 16 | 65 | 259 | 2,575 |
| 31 | 335 | 262 | 173 | 72 | 72 | 289 | 333 | 110 | | | | | — |
| Average | 394 | 391 | 441 | 258 | 91 | 333 | 273 | 121 | 56 | 38 | 67 | 213 | 2,675 |

## Table F-165 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN ADRIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 57 | 10 | 45 | 99 | — |
| 2 | 221 | 190 | 118 | 110 | 32 | 158 | 127 | 22 | 21 | 7 | 43 | 117 | 1,165 |
| 3 | 201 | 180 | 248 | 251 | 20 | 142 | 119 | 29 | 20 | 44 | 45 | 137 | 1,437 |
| 4 | 218 | 189 | 237 | 171 | 22 | 154 | 188 | 66 | 53 | 30 | 45 | 126 | 1,499 |
| 5 | 222 | 204 | 217 | 228 | 34 | 136 | 108 | 20 | 30 | 34 | 21 | 85 | 1,339 |
| 6 | 197 | 181 | 114 | 121 | 55 | 313 | 336 | 123 | 53 | 17 | 24 | 115 | 1,651 |
| 7 | 227 | 202 | 157 | 172 | 74 | 328 | 269 | 142 | 114 | 32 | 46 | 160 | 1,924 |
| 8 | 669 | 755 | 671 | 157 | 43 | 312 | 304 | 138 | 35 | 51 | 33 | 75 | 3,241 |
| 9 | 198 | 213 | 307 | 101 | 67 | 164 | 170 | 135 | 43 | 35 | 41 | 148 | 1,622 |
| 10 | 223 | 203 | 152 | 74 | 68 | 142 | 108 | 134 | 45 | 18 | 111 | 413 | 1,690 |
| 11 | 546 | 579 | 456 | 84 | 41 | 155 | 216 | 21 | 21 | 26 | 46 | 157 | 2,348 |
| 12 | 234 | 219 | 327 | 142 | 59 | 195 | 114 | 121 | 23 | 12 | 45 | 160 | 1,651 |
| 13 | 242 | 205 | 179 | 102 | 48 | 235 | 141 | 75 | 20 | 27 | 51 | 172 | 1,497 |
| 14 | 232 | 196 | 135 | 99 | 94 | 67 | 90 | 96 | 9 | 35 | 52 | 142 | 1,247 |
| 15 | 227 | 213 | 620 | 119 | 71 | 303 | 218 | 14 | 14 | 8 | 26 | 54 | 1,888 |
| 16 | 157 | 176 | 143 | 136 | 116 | 180 | 95 | 72 | 22 | 31 | 62 | 192 | 1,382 |
| 17 | 241 | 267 | 800 | 248 | 26 | 74 | 62 | 30 | 16 | 41 | 42 | 114 | 1,961 |
| 18 | 236 | 196 | 166 | 151 | 101 | 443 | 173 | 18 | 7 | 15 | 62 | 151 | 1,718 |
| 19 | 213 | 174 | 191 | 216 | 52 | 151 | 136 | 46 | 11 | 8 | 42 | 128 | 1,368 |
| 20 | 206 | 190 | 142 | 60 | 39 | 124 | 108 | 38 | 19 | 7 | 39 | 84 | 1,055 |
| 21 | 198 | 187 | 148 | 122 | 25 | 152 | 138 | 131 | 31 | 15 | 17 | 80 | 1,244 |
| 22 | 214 | 184 | 120 | 219 | 85 | 270 | 143 | 73 | 34 | 11 | 46 | 127 | 1,525 |
| 23 | 219 | 199 | 163 | 197 | 24 | 165 | 118 | 20 | 29 | 18 | 43 | 134 | 1,328 |
| 24 | 211 | 185 | 308 | 241 | 18 | 152 | 170 | 28 | 17 | 42 | 44 | 124 | 1,540 |
| 25 | 221 | 203 | 286 | 188 | 19 | 150 | 166 | 76 | 77 | 33 | 33 | 91 | 1,542 |
| 26 | 212 | 195 | 213 | 166 | 72 | 174 | 162 | 32 | 19 | 15 | 25 | 117 | 1,400 |
| 27 | 220 | 199 | 163 | 122 | 66 | 312 | 316 | 136 | 113 | 21 | 27 | 135 | 1,831 |
| 28 | 226 | 180 | 169 | 212 | 61 | 338 | 279 | 135 | 36 | 51 | 33 | 81 | 1,800 |
| 29 | 576 | 902 | 598 | 173 | 81 | 292 | 238 | 150 | 43 | 51 | 47 | 152 | 3,302 |
| 30 | 233 | 208 | 381 | 111 | 74 | 138 | 110 | 132 | 43 | 11 | 43 | 167 | 1,650 |
| 31 | 227 | 179 | 119 | 45 | 43 | 180 | 183 | 61 | | | | | — |
| Average | 255 | 252 | 268 | 151 | 54 | 203 | 170 | 77 | 36 | 25 | 43 | 135 | 1,670 |

## Table F-166 ESTIMATED MONTHLY INFLOW OF WATER SOLUBLE COPPER INTO LARIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 9 | 5 | 16 | 32 | — |
| 2 | 83 | 73 | 43 | 18 | 6 | 41 | 26 | 10 | 7 | 3 | 13 | 32 | 355 |
| 3 | 67 | 62 | 49 | 18 | 4 | 39 | 31 | 10 | 9 | 11 | 15 | 40 | 355 |
| 4 | 77 | 67 | 52 | 17 | 3 | 42 | 48 | 14 | 10 | 11 | 16 | 38 | 398 |
| 5 | 81 | 76 | 52 | 19 | 3 | 30 | 24 | 10 | 13 | 12 | 10 | 27 | 356 |
| 6 | 70 | 65 | 38 | 12 | 5 | 47 | 68 | 28 | 10 | 6 | 13 | 37 | 399 |
| 7 | 80 | 74 | 51 | 12 | 6 | 45 | 62 | 39 | 31 | 11 | 22 | 57 | 490 |
| 8 | 110 | 88 | 68 | 18 | 6 | 52 | 69 | 39 | 8 | 15 | 14 | 32 | 519 |
| 9 | 86 | 91 | 53 | 18 | 10 | 43 | 49 | 37 | 9 | 13 | 17 | 48 | 473 |
| 10 | 87 | 80 | 57 | 17 | 10 | 34 | 30 | 40 | 14 | 6 | 25 | 72 | 471 |
| 11 | 115 | 91 | 56 | 10 | 6 | 45 | 61 | 9 | 7 | 8 | 16 | 46 | 471 |
| 12 | 84 | 77 | 44 | 17 | 8 | 47 | 24 | 24 | 9 | 4 | 17 | 49 | 404 |
| 13 | 90 | 79 | 51 | 16 | 9 | 50 | 29 | 19 | 10 | 9 | 17 | 49 | 427 |
| 14 | 84 | 75 | 51 | 18 | 11 | 15 | 19 | 25 | 5 | 11 | 17 | 40 | 369 |
| 15 | 78 | 71 | 42 | 14 | 7 | 42 | 55 | 5 | 7 | 4 | 10 | 17 | 351 |
| 16 | 53 | 59 | 35 | 8 | 5 | 30 | 17 | 18 | 8 | 11 | 19 | 53 | 318 |
| 17 | 81 | 71 | 46 | 14 | 4 | 23 | 23 | 13 | 7 | 10 | 14 | 35 | 340 |
| 18 | 84 | 72 | 46 | 13 | 10 | 49 | 40 | 8 | 4 | 6 | 14 | 35 | 383 |
| 19 | 64 | 57 | 39 | 12 | 9 | 41 | 24 | 19 | 6 | 3 | 13 | 33 | 321 |
| 20 | 72 | 72 | 52 | 13 | 8 | 33 | 31 | 20 | 9 | 3 | 13 | 25 | 351 |
| 21 | 67 | 67 | 43 | 17 | 6 | 42 | 32 | 31 | 19 | 5 | 9 | 38 | 375 |
| 22 | 74 | 66 | 40 | 17 | 6 | 40 | 34 | 17 | 9 | 5 | 16 | 39 | 363 |
| 23 | 82 | 75 | 58 | 21 | 4 | 42 | 23 | 9 | 10 | 9 | 13 | 35 | 381 |
| 24 | 69 | 63 | 49 | 17 | 3 | 42 | 43 | 10 | 8 | 11 | 15 | 37 | 369 |
| 25 | 79 | 74 | 52 | 19 | 3 | 41 | 43 | 16 | 16 | 13 | 12 | 30 | 397 |
| 26 | 77 | 72 | 43 | 14 | 6 | 37 | 40 | 16 | 8 | 5 | 12 | 35 | 364 |
| 27 | 78 | 72 | 51 | 12 | 7 | 47 | 64 | 29 | 21 | 8 | 14 | 42 | 446 |
| 28 | 80 | 65 | 52 | 15 | 5 | 46 | 63 | 37 | 10 | 17 | 16 | 35 | 442 |
| 29 | 96 | 102 | 59 | 20 | 11 | 47 | 53 | 42 | 10 | 15 | 20 | 54 | 528 |
| 30 | 97 | 90 | 64 | 19 | 11 | 36 | 31 | 36 | 9 | 4 | 18 | 53 | 468 |
| 31 | 88 | 71 | 45 | 9 | 6 | 42 | | | | | | | — |
| Average | 81 | 74 | 49 | 15 | 7 | 40 | 39 | 21 | 10 | 8 | 15 | 40 | 400 |

## Table F-167 ESTIMATED MONTHLY INFLOW OF SOLUBLE COPPER CONTAINED IN SUSPENDED SOLID INTO LARIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 104 | 15 | 102 | 196 | — |
| 2 | 378 | 306 | 183 | 168 | 44 | 272 | 216 | 34 | 34 | 10 | 98 | 232 | 1,975 |
| 3 | 355 | 295 | 419 | 409 | 27 | 242 | 200 | 48 | 32 | 74 | 101 | 263 | 2,463 |
| 4 | 380 | 308 | 397 | 274 | 30 | 264 | 317 | 117 | 98 | 46 | 101 | 243 | 2,575 |
| 5 | 384 | 331 | 359 | 369 | 49 | 241 | 187 | 30 | 47 | 54 | 45 | 181 | 2,276 |
| 6 | 345 | 296 | 179 | 194 | 79 | 568 | 587 | 216 | 96 | 27 | 50 | 227 | 2,865 |
| 7 | 393 | 330 | 247 | 278 | 110 | 602 | 461 | 243 | 198 | 51 | 98 | 295 | 3,306 |
| 8 | 1,285 | 1,422 | 1,208 | 246 | 64 | 568 | 522 | 234 | 62 | 83 | 72 | 163 | 5,931 |
| 9 | 339 | 335 | 534 | 154 | 96 | 277 | 282 | 234 | 77 | 56 | 89 | 277 | 2,751 |
| 10 | 380 | 325 | 232 | 109 | 98 | 248 | 176 | 229 | 76 | 28 | 263 | 820 | 2,983 |
| 11 | 1,024 | 1,069 | 817 | 129 | 60 | 264 | 359 | 34 | 35 | 44 | 103 | 297 | 4,233 |
| 12 | 403 | 362 | 578 | 223 | 86 | 335 | 197 | 220 | 37 | 18 | 102 | 298 | 2,860 |
| 13 | 415 | 332 | 292 | 155 | 67 | 413 | 242 | 133 | 30 | 44 | 112 | 319 | 2,554 |
| 14 | 398 | 317 | 208 | 150 | 139 | 115 | 156 | 168 | 13 | 58 | 114 | 272 | 2,107 |
| 15 | 395 | 356 | 1,146 | 185 | 108 | 559 | 367 | 24 | 21 | 11 | 56 | 125 | 3,354 |
| 16 | 291 | 295 | 240 | 220 | 188 | 322 | 169 | 127 | 37 | 50 | 130 | 354 | 2,423 |
| 17 | 420 | 467 | 1,490 | 401 | 39 | 126 | 97 | 49 | 24 | 72 | 95 | 225 | 3,505 |
| 18 | 408 | 323 | 273 | 239 | 156 | 825 | 292 | 28 | 9 | 23 | 131 | 291 | 2,999 |
| 19 | 379 | 293 | 331 | 349 | 76 | 261 | 237 | 73 | 17 | 12 | 97 | 251 | 2,376 |
| 20 | 358 | 306 | 217 | 89 | 54 | 210 | 178 | 56 | 29 | 10 | 88 | 181 | 1,775 |
| 21 | 352 | 308 | 242 | 189 | 34 | 259 | 232 | 234 | 90 | 19 | 20 | 216 | 2,194 |
| 22 | 372 | 302 | 190 | 355 | 124 | 494 | 239 | 127 | 59 | 17 | 104 | 246 | 2,627 |
| 23 | 379 | 321 | 249 | 315 | 33 | 284 | 203 | 31 | 47 | 25 | 99 | 259 | 2,246 |
| 24 | 373 | 305 | 534 | 392 | 24 | 259 | 288 | 46 | 27 | 69 | 99 | 240 | 2,657 |
| 25 | 384 | 329 | 491 | 300 | 26 | 260 | 282 | 136 | 137 | 52 | 74 | 191 | 2,661 |
| 26 | 368 | 316 | 363 | 269 | 105 | 304 | 276 | 47 | 29 | 23 | 54 | 233 | 2,387 |
| 27 | 382 | 325 | 259 | 193 | 96 | 569 | 552 | 241 | 205 | 33 | 56 | 255 | 3,165 |
| 28 | 391 | 293 | 270 | 342 | 94 | 445 | 480 | 230 | 63 | 81 | 71 | 178 | 2,938 |
| 29 | 1,138 | 1,700 | 1,081 | 274 | 118 | 524 | 412 | 258 | 77 | 84 | 102 | 280 | 6,049 |
| 30 | 389 | 326 | 659 | 168 | 106 | 238 | 180 | 230 | 77 | 17 | 93 | 308 | 2,792 |
| 31 | 385 | 289 | 183 | 66 | 64 | 316 | 356 | 123 | | | | | — |
| Average | 455 | 429 | 462 | 240 | 80 | 355 | 291 | 133 | 63 | 40 | 94 | 264 | 2,908 |

## Table F-168 ESTIMATED MONTHLY ACCUMULATION OF SOLUBLE COPPER ON PADDY FIELD IN LARIS AREA UNDER THE CASE OF RUN 4

Unit: g/ha

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | 62 | 11 | 65 | 126 | — |
| 2 | 253 | 208 | 124 | 102 | 27 | 172 | 133 | 24 | 23 | 7 | 61 | 145 | 1,282 |
| 3 | 232 | 196 | 257 | 235 | 17 | 155 | 127 | 32 | 22 | 47 | 64 | 166 | 1,550 |
| 4 | 251 | 207 | 247 | 160 | 18 | 168 | 201 | 72 | 60 | 32 | 64 | 155 | 1,635 |
| 5 | 256 | 224 | 226 | 213 | 28 | 149 | 116 | 22 | 33 | 36 | 30 | 114 | 1,448 |
| 6 | 228 | 199 | 120 | 113 | 46 | 338 | 360 | 134 | 58 | 18 | 35 | 145 | 1,795 |
| 7 | 260 | 222 | 164 | 160 | 64 | 356 | 288 | 155 | 126 | 34 | 66 | 194 | 2,088 |
| 8 | 767 | 830 | 702 | 145 | 39 | 341 | 325 | 150 | 39 | 54 | 47 | 107 | 3,547 |
| 9 | 234 | 234 | 322 | 94 | 59 | 176 | 182 | 149 | 47 | 38 | 59 | 179 | 1,773 |
| 10 | 256 | 223 | 159 | 69 | 60 | 155 | 113 | 148 | 49 | 19 | 158 | 490 | 1,900 |
| 11 | 627 | 638 | 480 | 76 | 37 | 170 | 231 | 24 | 24 | 28 | 65 | 188 | 2,587 |
| 12 | 268 | 241 | 342 | 132 | 52 | 210 | 121 | 135 | 25 | 12 | 65 | 191 | 1,795 |
| 13 | 278 | 226 | 188 | 94 | 42 | 255 | 149 | 83 | 21 | 29 | 71 | 203 | 1,639 |
| 14 | 265 | 216 | 142 | 92 | 82 | 72 | 96 | 160 | 10 | 36 | 72 | 172 | 1,362 |
| 15 | 260 | 235 | 654 | 110 | 63 | 330 | 232 | 16 | 15 | 8 | 37 | 78 | 2,038 |
| 16 | 190 | 195 | 152 | 125 | 106 | 194 | 102 | 80 | 25 | 34 | 82 | 224 | 1,507 |
| 17 | 276 | 295 | 845 | 228 | 23 | 82 | 66 | 34 | 17 | 45 | 60 | 143 | 2,115 |
| 18 | 270 | 217 | 176 | 139 | 91 | 481 | 183 | 20 | 7 | 16 | 80 | 179 | 1,860 |
| 19 | 244 | 193 | 203 | 199 | 47 | 166 | 144 | 51 | 12 | 8 | 61 | 156 | 1,483 |
| 20 | 236 | 208 | 148 | 56 | 34 | 133 | 115 | 42 | 21 | 7 | 56 | 113 | 1,169 |
| 21 | 230 | 206 | 157 | 113 | 22 | 165 | 145 | 146 | 60 | 13 | 16 | 140 | 1,413 |
| 22 | 245 | 202 | 127 | 204 | 71 | 293 | 150 | 79 | 37 | 12 | 66 | 157 | 1,644 |
| 23 | 253 | 218 | 169 | 185 | 20 | 179 | 125 | 22 | 32 | 19 | 62 | 162 | 1,445 |
| 24 | 243 | 203 | 321 | 225 | 15 | 166 | 182 | 31 | 19 | 44 | 63 | 153 | 1,664 |
| 25 | 255 | 222 | 298 | 176 | 16 | 165 | 178 | 83 | 84 | 36 | 47 | 122 | 1,682 |
| 26 | 245 | 214 | 223 | 155 | 61 | 188 | 174 | 34 | 20 | 15 | 36 | 148 | 1,513 |
| 27 | 253 | 218 | 171 | 113 | 56 | 339 | 339 | 149 | 124 | 22 | 39 | 163 | 1,986 |
| 28 | 259 | 197 | 177 | 196 | 55 | 270 | 299 | 147 | 40 | 54 | 48 | 117 | 1,859 |
| 29 | 679 | 991 | 627 | 161 | 71 | 314 | 255 | 165 | 48 | 54 | 67 | 184 | 3,618 |
| 30 | 268 | 229 | 398 | 103 | 65 | 150 | 116 | 146 | 47 | 12 | 61 | 199 | 1,793 |
| 31 | 260 | 198 | 125 | 41 | 38 | 197 | 196 | 68 | | | | | — |
| Average | 295 | 277 | 281 | 141 | 48 | 218 | 181 | 85 | 40 | 27 | 60 | 167 | 1,819 |

## Table F-169 ESTIMATED AVERAGE MONTHLY ACCUMULATION OF SUSPENDED SOLID AND TOTAL COPPER CONTAINED IN SUSPENDED SOLID UNDER THE CASES OF RUN 1 AND RUN 4

| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Annual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) Suspended Solid under the Case of Run 1 (kg/ha) | | | | | | | | | | | | | |
| ARIS | 1,251 | 892 | 734 | 904 | 268 | 1,076 | 1,220 | 390 | 117 | 131 | 543 | 991 | 8,818 |
| ARIS-Ex | 1,167 | 874 | 719 | 818 | 214 | 1,105 | 1,310 | 677 | 117 | 138 | 423 | 864 | 8,427 |
| ADRIS | 1,011 | 799 | 690 | 844 | 201 | 997 | 1,237 | 627 | 108 | 139 | 308 | 697 | 7,659 |
| LARIS | 1,165 | 878 | 724 | 785 | 176 | 1,084 | 1,318 | 709 | 124 | 144 | 414 | 860 | 8,381 |
| (2) Suspended Solid under the Case of Run 4 (kg/ha) | | | | | | | | | | | | | |
| ARIS | 1,545 | 1,327 | 1,574 | 995 | 416 | 1,668 | 1,231 | 619 | 300 | 171 | 591 | 1,038 | 11,476 |
| ARIS-Ex | 1,441 | 1,300 | 1,537 | 901 | 335 | 1,710 | 1,322 | 623 | 305 | 171 | 446 | 899 | 10,989 |
| ADRIS | 1,247 | 1,188 | 1,474 | 929 | 314 | 1,544 | 1,247 | 578 | 282 | 176 | 323 | 726 | 10,026 |
| LARIS | 1,439 | 1,306 | 1,547 | 864 | 275 | 1,646 | 1,330 | 636 | 317 | 187 | 456 | 901 | 10,902 |
| (3) Total Copper Contained in Suspended Solid under the Case of Run 1 (g/ha) | | | | | | | | | | | | | |
| ARIS | 752 | 552 | 453 | 522 | 159 | 486 | 530 | 296 | 54 | 59 | 236 | 577 | 4,675 |
| ARIS-Ex | 701 | 541 | 444 | 473 | 127 | 499 | 569 | 290 | 54 | 62 | 183 | 503 | 4,447 |
| ADRIS | 608 | 495 | 426 | 488 | 119 | 451 | 537 | 269 | 50 | 63 | 133 | 406 | 4,043 |
| LARIS | 700 | 544 | 447 | 453 | 104 | 490 | 572 | 304 | 57 | 65 | 180 | 500 | 4,417 |
| (4) Total Copper Contained in Suspended Solid under the Case of Run 4 (g/ha) | | | | | | | | | | | | | |
| ARIS | 925 | 804 | 927 | 575 | 243 | 729 | 545 | 271 | 129 | 76 | 259 | 606 | 6,087 |
| ARIS-Ex | 863 | 787 | 905 | 520 | 196 | 748 | 585 | 273 | 131 | 76 | 195 | 525 | 5,803 |
| ADRIS | 746 | 719 | 868 | 536 | 183 | 675 | 552 | 253 | 121 | 78 | 141 | 424 | 5,297 |
| LARIS | 861 | 791 | 911 | 499 | 161 | 721 | 589 | 278 | 136 | 83 | 199 | 526 | 5,754 |

Remarks; ARIS-Ex: ARIS Extension Area

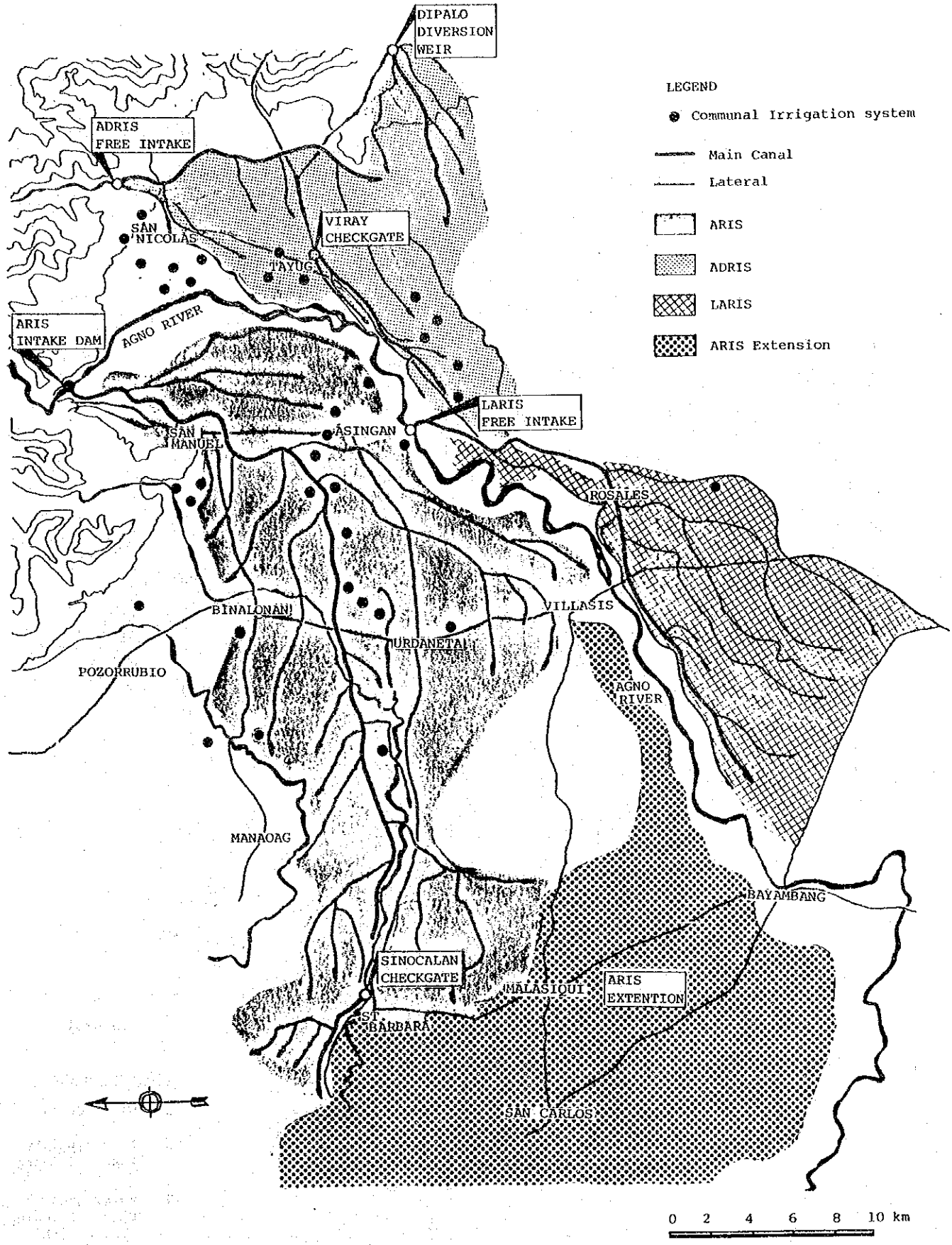


Fig. F-1 Location of NIA and Communal Irrigation System

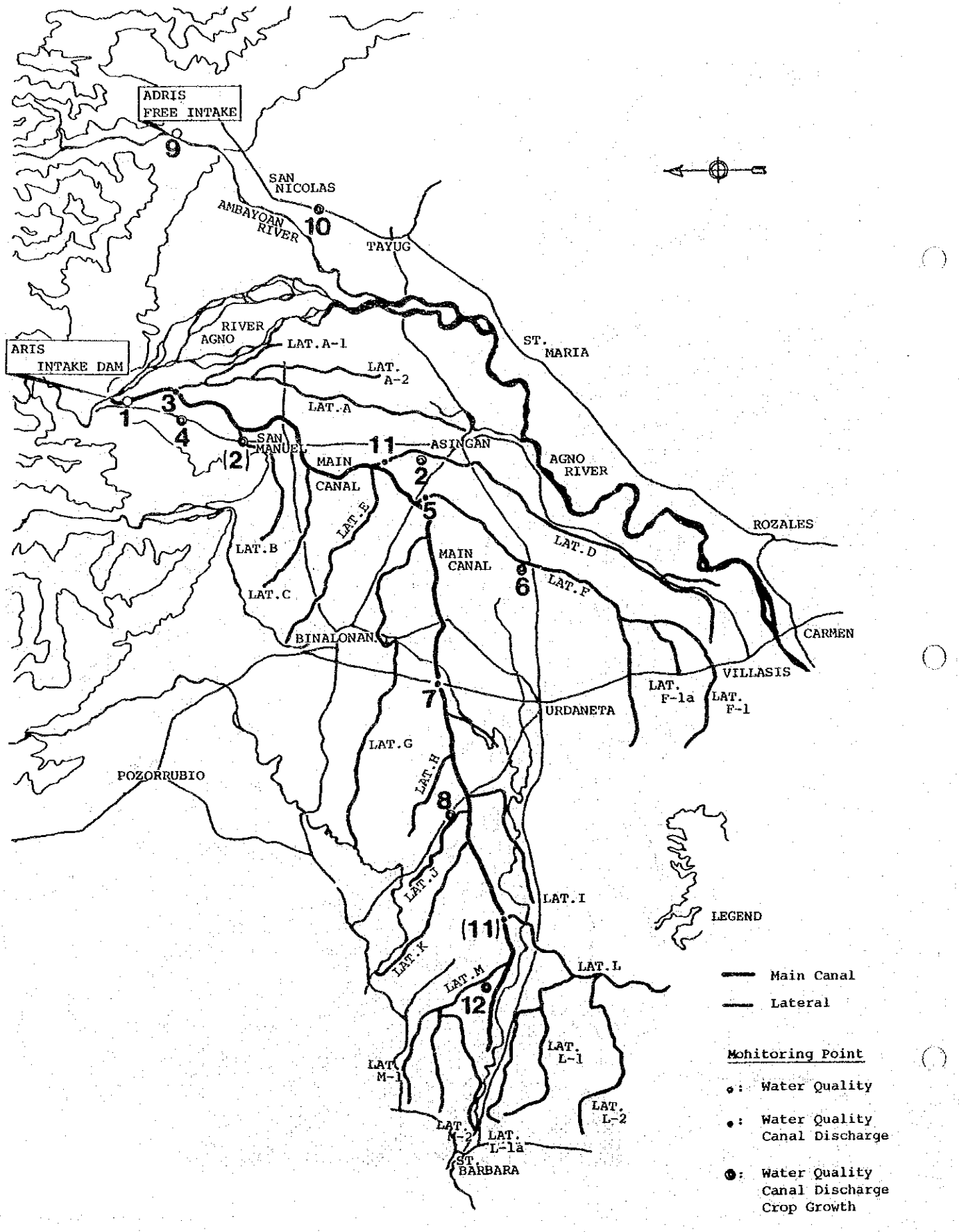


Fig. F-2 Location Map of Monitoring Points for Irrigation Water Quality