

(Table 3) Data form for field surveillance of the rice gall midge

ATA-162  
PENGAMATAN SERANGAN DAN PARASITISASI HAMA GANJUR  
DI LAPANGAN

Di daerah : Desa ....., Kecamatan ....., Kabupaten .....  
 Pola tanam : .....  
 Tanggal tanam : ..... Pengamatan ke : ....., Tanggal : .....  
 Varietas padi : ..... Umur tanam/stadium .....

A. Pengamatan gejala serangan :

Nomor rumpun	Plot I			Plot II			Plot III		
	Jl	g	pp/pst/pd	Jl	g	pp/pst/pd	Jl	g	pp/pst/pd
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
Jumlah									
Persen									

Persentase gejala serangan: %, pupa : %, parasit : %, predator: %

Keterangan : Jl = jumlah tunas; g = puru ganjur, pp = pupa; pst = parasit ( PO, NO, OO )  
 pd = predator

B. Pengamatan parasitisasi hama ganjur sekitar plot I :

Rumpun contoh pengamatan	dibelah				Individu ganjur				Jumlah parasit								
	Jumlah tunas	puru gan- jur	Tunas gene- ratif	Tunas vege- tatif sehat	Larva muda TE- LUR	Larva dewa- sa	pu- pa	Ima- go	Po		No			Oo			
									Isi	Ter- bang	Lar- va	Pu- pa	Ima- go	Lar- va	pu- pa	Ima- go	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
Jumlah																	
Persen																	

Keterangan : Po = Platygaster oryzae      Parasit lain : .....  
 No = Neanastatus oryzae                      .....  
 Oo = Obtusiclava oryzae                      Predator : .....

Pemberantasan :

	Hama	Insektisida	Dosis
1.			
2.			
3.			
4.			

Pemupukan :

Jenis	Dosis/ha	Waktu aplikasi
I. TSP		
Urea		
II. Urea		
III. Urea		

( Table 4 ) Infested area (IA) and damaged tiller (DT) caused by the rice gall midge in Indonesia, 1976 - 1981

No.	Province	1976		1977		1978		1979		1980		1981	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1.	D.I. Aceh	*	*	228	19.5	121	9.8	639	16.4	0	0.0	200	10.8
2.	Sumatera Utara	125	35.1	12	1.5	25	35.0	100	15.0	0	0.0	0	0.0
3.	Sumatera Barat	51	8.8	36	6.3	70	9.2	0	0.0	0	0.0	32	8.4
4.	Riau	*	*	14	7.7	9	10.3	41	10.0	3	90.0	0	0.0
5.	Bengkulu	*	*	0	0.0	0	0.0	0	0.0	487	20.0	32	4.1
6.	Sumatera Selatan	*	*	1017	15.0	0	0.0	3	89.3	0	0.0	0	0.0
7.	Lampung	*	*	7065	4.3	706	11.7	619	5.1	501	3.3	1556	2.3
8.	Jambi	*	*	313	2.9	1232	3.6	0	0.0	0	0.0	0	0.0
9.	D.K.I. Jakarta	*	*	0	0.0	16	17.8	23	6.3	13	5.6	0	0.0
10.	Java Barat	45 742	23.4	37743	18.3	31919	10.3	15327	12.2	15640	12.3	11800	15.0
11.	Java Tengah	40 058	13.1	27842	7.7	20805	5.5	12424	6.4	11111	9.7	10721	5.3
12.	D.I. Yogyakarta	2 820	9.0	1640	31.1	680	9.8	108	2.9	191	3.5	350	9.7
13.	Java Timur	23 153	9.2	5586	7.3	8244	14.1	569	13.6	768	10.1	647	5.0
14.	Bali	384	9.5	85	7.4	68	26.5	65	12.3	133	27.1	30	8.3
15.	Nusa Tenggara Barat	*	*	213	12.6	353	6.0	91	6.6	7443	11.7	42	3.1
16.	Nusa Tenggara Timur	*	*	162	55.2	1	40.0	7	10.0	0	0.0	0	0.0
17.	Kalimantan Selatan	42	10.0	0	0.0	0	0.0	0	0.0	240	5.0	20	5.0
18.	Kalimantan Barat	*	*	26	71.7	0	0.0	0	0.0	30	20.0	4	24.0
19.	Kalimantan Tengah	*	*	91	16.4	36	15.0	0	0.0	0	0.0	0	0.0
20.	Kalimantan Timur	*	*	4	40.0	0	0.0	9	5.4	30	4.9	20	7.7
21.	Sulawesi Selatan	193	37.3	20	20.0	95	52.9	68	21.9	6	3.0	0	0.0

(Table 5) Infested area (IA) and damaged tillers (DT) caused by the rice gall midge in Indonesia, 1976 - 1981

No.	Province	1976		1977		1978		1979		1980		1981	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
22.	Sulawesi Tenggara	*	*	2	50.0	125	3.2	60	18.0	0	0.0	23	5.0
23.	Sulawesi Tengah	*	*	110	17.0	4	10.0	0	0.0	*	*	0	0.0
24.	Sulawesi Utara	*	*	0	0.0	0	0.0	90	14.2	5	9.0	0	0.0
25.	Maluku	*	*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
		112 568	16.5	82 209	12.9	64 509	9.2	30 243	9.8	36 601	11.3	25 477	9.7

\* No observation in paddy field.

( Table 6 ) Infested area (IA) and damaged tiller (DT) caused by the rice gall midge in Indonesia, 1982 - 1985.

No.	Province	1982		1983		1984		1985	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1.	D.I. Aceh	0	0.0	0	0.0	0	0.0	0	0.0
2.	Sumatera Utara	10	8.5	20	17.0	20	17.0	20	17.0
3.	Sumatera Barat	0	0.0	0	0.0	0	0.0	0	0.0
4.	R i a u	0	0.0	0	0.0	0	0.0	0	0.0
5.	Bengkulu	10	0.8	0	0.0	0	0.0	0	0.0
6.	Sumatera Selatan	50	2.6	185	31.9	185	31.9	185	31.9
7.	Lampung	958	2.8	385	15.2	385	15.2	385	15.2
8.	J a m b i	0	0.0	2765	20.7	2765	20.7	2765	20.7
9.	D.K.I. Jakarta	27	10.1	12	8.0	12	8.0	12	8.0
10.	Jawa Barat	14016	12.7	6107	12.7	6107	12.7	6107	12.7
11.	Jawa Tengah	7270	5.8	6270	5.6	6270	5.6	6270	5.6
12.	D.I. Yogyakarta	1069	6.8	17	6.0	17	6.0	17	6.0
13.	Jawa Timur	135	10.1	210	10.2	210	10.2	210	10.2
14.	B a l i	140	6.4	167	11.0	167	11.0	167	11.0
15.	Nusa Tenggara Barat	172	3.2	26	1.4	26	1.4	26	1.4
16.	Nusa Tenggara Timur	0	0.0	0	0.0	0	0.0	0	0.0
17.	Kalimantan Selatan	0	0.0	27	1.4	27	1.4	27	1.4
18.	Kalimantan Barat	0	0.0	119	15.0	119	15.0	119	15.0
19.	Kalimantan Tengah	49	24.0	0	0.0	0	0.0	0	0.0
20.	Kalimantan Timur	20	20.0	38	7.4	38	7.4	38	7.4
21.	Sulawesi Selatan	0	0.0	5	9.0	5	9.0	5	9.0
22.	Sulawesi Tenggara	0	0.0	0	0.0	0	0.0	0	0.0
23.	Sulawesi Tengah	*	*	*	*	*	*	*	*
24.	Sulawesi Utara	97	4.0	0	0.0	0	0.0	0	0.0
25.	Maluku	0	0.0	0	0.0	0	0.0	0	0.0
		24113	9.8	11353	11.6	11353	11.6	11353	11.6

( Table 7 ) Infested area (IA) and damaged tiller (DT) caused by the rice gall midge in West Java, 1976 - 1981

No.	Kabupaten	1976	1977	1978	1979	1980	1981
		IA (ha) • DF (%)	IA (ha) • DT (%)	IA (ha) • DF (%)	IA (ha) • DT (%)	IA (ha) • DF (%)	IA (ha) • DF (%)
1.	Serang	25	17.6	47	16.5	0	20
2.	Pandegelang	0	0	0	0	0	216
3.	Lebak	323	17.3	176	12.1	668	237
4.	Tangerang	61	3.6	310	16.7	70	57
5.	Bekasi	129	10.9	716	13.9	0	0
6.	Karawang	271	4.6	0	0	215	492
7.	Purwakarta	945	13.8	281	15.5	709	904
8.	Subang	1 205	13.0	1 868	4.0	2 030	3 171
9.	Bogor	344	7.9	111	4.0	769	179
10.	Sukabumi	1 611	14.2	434	8.3	1 012	360
11.	Cianjur	1 151	9.2	113	13.4	2 119	234
12.	Bandung	428	10.7	1 034	17.0	48	12
13.	Sumedang	1 258	4.2	44	16.8	511	207
14.	Garut	1 099	12.2	332	11.0	427	392
15.	Tasikmalaya	988	19.2	741	21.3	122	474
16.	Cianis	2 264	12.4	691	10.0	234	383
17.	Cirebon	7 704	12.5	3 490	15.5	4 851	2 761
18.	Kuningan	246	8.2	175	16.5	48	229
19.	Majalengka	1 489	12.0	492	18.3	667	368
20.	Indramayu	10 378	6.6	4 172	9.3	1 140	1 104
		45 742	23.4	37 743	18.3	15 640	11 800
					12.2		12.3
							15.0

( Table 8 ) Infested area (IA) and damaged tiller (DT) caused by the rice gall midge in West Java, 1982 - 1985

No.	Kabupaten	1982		1983		1984		1985	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1.	Serang	28	14.6	301	20.4				
2.	Pandeglang	121	11.2	0	0.0				
3.	Lebak	475	16.6	121	13.6				
4.	Tangerang	64	12.0	26	5.5				
5.	Bekasi	50	10.0	15	6.0				
6.	Karawang	994	6.0	580	5.0				
7.	Purwakarta	368	13.9	167	9.7				
8.	Sumbang	2213	13.2	543	9.5				
9.	B o g o r	105	6.5	190	5.8				
10.	Sukabumi	156	11.8	367	3.1				
11.	Cianjur	88	9.4	1649	33.3				
12.	Bandung	7	5.0	73	3.7				
13.	Sumedang	1005	16.6	1	5.0				
14.	Garut	12	9.7	152	12.2				
15.	Tasikmalaya	151	15.4	155	22.9				
16.	Ciamis	1947	11.2	299	9.1				
17.	Cirebon	3388	16.3	450	19.2				
18.	Kuningan	514	5.1	630	4.7				
19.	Majalengka	1950	11.3	180	12.3				
20.	Indramayu	380	7.0	164	4.1				
		14016	12.7	6034	17.7				

( Table 9 ) Infested area (IA) and damaged tiller (DT) caused by the rice gall midge in Central Java, 1976 - 1981

No.	Kabupaten	1976		1977		1978		1979		1980		1981	
		IA (ha)	DT (%)	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT
1.	Batang	28	4.6	0	0	0	0	0	0	0	0	2	5.0
2.	Pekalongan	153	10.0	50	25.0	0	0	8	1.0	8	1.0	171	6.7
3.	Pemalang	107	2.4	43	2.6	0	0	2	2.0	2	2.0	12	5.0
4.	Tegal	245	6.3	414	5.1	0	0	258	5.3	258	5.3	295	5.4
5.	Brebes	1 191	4.0	861	5.5	0	0	963	5.1	963	5.1	788	3.5
6.	Semarang	302	23.2	0	0	0	0	4	2.0	4	2.0	13	2.0
7.	Kendal	45	15.0	33	11.6	0	0	0	0	0	0	43	5.0
8.	Demak	50	8.2	0	0	0	0	110	7.7	110	7.7	465	12.4
9.	Grobogan	3 465	6.6	381	18.2	4	4	359	9.3	4 359	9.3	1 121	8.2
10.	Pati	313	7.0	152	21.9	89	0	0	2.6	89	2.6	133	3.3
11.	Kudus	306	5.8	60	8.4	0	0	0	0	0	0	31	5.0
12.	Jepara	350	11.8	174	3.9	54	0	54	12.0	54	12.0	148	7.5
13.	Rembang	960	1.7	341	1.3	283	0	283	1.5	283	1.5	216	2.2
14.	Blora	53	19.8	0	0	0	0	0	0	0	0	366	7.2
15.	Banyumas	2 965	6.0	2 499	3.1	328	0	328	9.8	328	9.8	1 869	8.2
16.	Cilacap	1 869	3.4	2 469	3.7	1 490	0	1 490	5.4	1 490	5.4	3 109	2.5
17.	Purbalingga	328	1.6	11	1.0	125	0	125	1.2	125	1.2	271	3.2
18.	Banjarnegara	2 808	2.1	910	6.7	1 095	0	1 095	37.7	1 095	37.7	955	3.1
19.	Magelang	15	2.6	0	0	4	0	4	10.0	4	10.0	0	0
20.	Temanggung	22	5.0	0	0	0	0	0	0	0	0	0	0
21.	Wonosobo	18	6.5	0	0	0	0	1	5.0	1	5.0	3	10.0
22.	Purworejo	73	1.9	277	1.4	41	0	41	2.6	41	2.6	64	3.1
23.	Kebumen	184	23.9	4	5.0	10	0	10	7.5	10	7.5	36	5.1
24.	Sukoharjo	558	3.6	108	2.1	120	0	120	2.6	120	2.6	124	4.6
25.	Karanganyar	186	7.8	272	1.8	22	0	22	9.6	22	9.6	16	3.9
26.	Monogiri	253	6.8	302	6.9	314	0	314	2.2	314	2.2	45	1.6
27.	Sragen	3 249	5.1	3 046	10.8	1 087	0	1 087	2.7	1 087	2.7	302	8.2
28.	Klaten	384	8.3	0	0	0	0	0	5.0	0	5.0	0	0
29.	Boyolali	325	10.7	17	2.9	339	0	339	3.7	339	3.7	126	6.9
30.	Kodya Magelang	0	0	0	0	0	0	0	0	0	0	0	0
		40 058	13.1	27 842	7.7	20805	5.5	12 424	6.4	11 111	9.7	10724	5.3

( Table 10 ) Infested area (IA) and damaged tiller (DT) caused by the rice gall midge in Central Java, 1982 - 1985

No.	Kabupaten	1982		1983		1984		1985	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1.	Batang	2	20,0	39	2,1				
2.	Pekalongan	54	10,4	38	10,3				
3.	Pemalang	291	11,2	0	0,0				
4.	Tegal	10	5,0	146	3,3				
5.	Brebes	788	3,5	299	5,6				
6.	Semarang	19	5,6	6	4,5				
7.	Kendal	962	9,9	16	5,0				
8.	Demak	319	4,1	135	4,6				
9.	Grobogan	725	7,2	586	5,2				
10.	Pati	53	2,9	42	2,7				
11.	Kudus	30	1,0	0	0,0				
12.	Jepara	158	6,1	11	4,0				
13.	Rembang	336	2,6	53	2,7				
14.	Blora	15	15,0	28	5,0				
15.	Banyumas	665	7,2	382	9,5				
16.	Cilacap	1537	4,6	1406	3,8				
17.	Purbalingga	264	3,5	172	3,3				
18.	Banjarnegara	568	2,3	247	11,8				
19.	Magelang	2	5,0	1	5,0				
20.	Tenanggung	0	0	0	0,0				
21.	Wonosobo	0	0	0	0,0				
22.	Purworejo	136	2,9	41	4,2				
23.	Kebumen	27	14,5	52	9,1				
24.	Sukoharjo	60	3,9	139	2,2				
25.	Karanganyar	0	0	76	3,6				
26.	Wonogiri	56	2,8	44	7,3				
27.	Sragen	117	4,4	45	4,5				
28.	Klaten	0	0	151	11,6				
29.	Boyolali	76	16,3	27	4,7				
30.	Kodya Magelang	0	0	0	0,0				
		7270	5,8	6352	7,7				



( Table 11 ) Infested Area (IA) and Damaged Tiller (DT)  
Caused by the rice gall midge in East Java, 1976-1981

No.	KABUPATEN	1976		1977		1978		1979		1980		1981		
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	
1.	Surabaya			66	12.2	39	12.0	0	0	0	0	22	10.7	
2.	Gresik			55	4.4	0	0	28	3.1	0	0	98	4.1	
3.	Sidoarjo			0	0	17	2.0	79	55.0	0	0	24	15.2	
4.	Mojokerto	1	768	0	0	0	0	0	0	0	0	10	10.0	
5.	Jombang			634	4.7	0	0	0	0	0	0	0	0	
6.	Bojonegoro			269	11.0	9	4.0	0	0	0	0	66	7.8	
7.	Tuban			149	4.0	56	84.3	388	3.1	0	0	266	1.5	
8.	Lamongan			0	0	0	0	0	0	0	0	22	10.1	
9.	Madium			17	11.5	0	0	1	2.0	0	0	0	0	
10.	Ngawi	1	444	0	0	0	0	0	0	0	0	9	3.0	
11.	Magetan			2	15.0	0	0	0	0	0	0	0	0	
12.	Ponorogo			306	7.5	0	0	0	0	0	0	0	0	
13.	Pacitan			32	3.3	0	0	0	0	0	0	0	0	
14.	Kediri			197	8.6	0	0	0	0	0	0	0	0	
15.	Nganjuk			69	4.1	0	0	0	0	0	0	0	0	
16.	Blitar			0	0	0	0	0	0	0	0	0	0	
17.	Tulungagung			227	7.0	0	0	0	0	0	0	4	2.0	
18.	Trenggalek			943	15.0	15	8.0	99	10.0	0	0	32	11.0	
19.	Malang			1	2.0	0	0	0	0	0	0	0	0	
20.	Pasuruan			6	5.3	22	8.1	24	13.7	0	0	2	4.0	
21.	Probolinggo			53	18.7	0	0	0	0	0	0	6	11.5	
22.	Lumajang			39	0.7	2	2.0	18	2.6	0	0	0	0	
23.	Bondowoso			0	0	0	0	0	0	0	0	0	0	
24.	Situbondo			0	0	0	0	9	8.9	0	0	23	7.0	
25.	Jember			0	0	0	0	51	5.5	0	0	34	4.1	
26.	Banyuwangi			0	0	245	0.5	0	0	0	0	0	0	
27.	Pamekasan			736	44.5	0	0	0	0	0	0	0	0	
28.	Bangkalan			125	12.6	0	0	25	5.0	0	0	5	14.8	
29.	Sampang			5	53.0	0	0	0	0	0	0	0	0	
30.	Sumenep			1 101	5.2	164	12.7	46	6.0	0	0	24	6.7	
		23	153	9.2	5 586	7.3	8 244	19.6	569	13.6	768	10.1	647	5.0

( Table 12 ) Infested Area (IA) and Damaged Tiller (DT)  
Caused by the rice gall midge in East Java, 1982 - 1985.

No.	Kabupaten	1982		1983		1984		1985	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1.	Surabaya	1	40,0	0	0,0	0	0,0	0	0,0
2.	Gresik	5	3,2	41	4,0	4	4,0	4	4,0
3.	Sidoarjo	5	10,0	0	0,0	0	0,0	0	0,0
4.	Mojokerto	1	15,0	2	10,5	0	0,0	0	0,0
5.	Jombang	0	0	0	0,0	0	0,0	0	0,0
6.	Bojonegoro	0	0	0	0,0	0	0,0	0	0,0
7.	T u b a n	2	6,0	102	7,0	0	0,0	0	0,0
8.	Lamongan	43	7,1	0	0,0	0	0,0	0	0,0
9.	Madium	0	0	5	9,6	0	0,0	0	0,0
10.	Ngawi	0	0	0	0,0	0	0,0	0	0,0
11.	Magetan	0	0	0	0,0	0	0,0	0	0,0
12.	Ponorogo	0	0	3	6,0	0	0,0	0	0,0
13.	Pacitan	0	0	0	0,0	0	0,0	0	0,0
14.	Kediri	1	5,0	0	0,0	0	0,0	0	0,0
15.	Nganjuk	5	6,0	0	0,0	0	0,0	0	0,0
16.	Blitar	0	0	28	12,4	0	0,0	0	0,0
17.	Tulungagung	0	0	0	0,0	0	0,0	0	0,0
18.	Trenggalek	0	0	0	0,0	0	0,0	0	0,0
19.	Malang	0	0	5	8,5	0	0,0	0	0,0
20.	Pasuruan	13	13,5	3	10,0	0	0,0	0	0,0
21.	Probolinggo	0	0	7	2,4	0	0,0	0	0,0
22.	Lumajang	2	1,0	0	0,0	0	0,0	0	0,0
23.	Bondowoso	0	0	0	0,0	0	0,0	0	0,0
24.	Situbondo	19	10,7	6	10,0	0	0,0	0	0,0
25.	Jember	4	14,5	0	0,0	0	0,0	0	0,0
26.	Baryuwangi	0	0	0	0,0	0	0,0	0	0,0
27.	Pamekasan	0	0	0	0,0	0	0,0	0	0,0
28.	Bangkalan	5	5,4	1	5,0	0	0,0	0	0,0
29.	Sampang	2	17,9	3	11,0	0	0,0	0	0,0
30.	Sumenep	27	4,3	0	0,0	0	0,0	0	0,0
		135	10,1	210	10,0				

( Table 13 ) Infested Area (IA) and Damaged Tiller (DT)  
 Caused by the rice gall midge in D.I. Yogyakarta, 1976-1981

No.	1976		1977		1978		1979		1980		1981	
	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1. Bantul	253	22.9	99	2.9	35	4.4	237	9.9				
2. Sleman	0	0	0	0	25	10.4	92	11.0				
3. Gunung Kidul	0	0	1	3.0	6	1.0	18	1.7				
4. Kulon Progo	427	2.0	8	2.5	125	2.0	3	6.0				
5. Kodya Yogya	0	0	0	0	0	0	0	0				
	2 820	9.0	1 640	31.1	680	9.8	108	2.9	191	3.5	350	9.7

( Table 14 ) Infested Areas (IA) and Damaged Tiller (DT)  
 Caused by the rice gall midge in D.I. Yogyakarta, 1982 - 1985.

No.	Kabupaten	1982		1983		1984		1985	
		IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)	IA (ha)	DT (%)
1.	Bantul	38	4.2	14	5.9				
2.	Sleman	30	5.5	2	16.0				
3.	Gunung Kidul	9	1.6	6	3.0				
4.	Kulon Progo	992	7.0	7	6.0				
5.	Kodya Yogya	0	0	0	0.0				
		1069	6.8	29	6.1				

( Table 15 ) Area of paddy fields implemented the intensification programme (pesticide and fertilizer) of Indonesia

No.	P r o v i n c e	1978				1979				
		BINAS	INMAS	INTEN	BINAS	INMAS	INTEN	BINAS	INMAS	INTEN
1.	West Java	259,119 ha	882,422 ha	1,141,541 ha	152,330 ha	467,519 ha	619,849 ha			
2.	Central Java	93,973	277,992	371,965	65,254	348,591	413,845			
3.	Yogyakarta	6,821	36,977	43,798	3,841	36,441	40,282			
4.	East Java	70,658	272,375	343,033	54,791	322,637	377,428			
5.	North Sumatera	21,478	92,388	113,866	72,402	132,239	204,641			
6.	West Sumatera	17,877	66,861	84,738	11,334	80,715	92,049			
7.	Lampung	5,720	12,363	18,083	6,104	17,120	23,224			
8.	South Kalimantan	3,892	18,498	22,390	2,728	21,745	24,473			
9.	South Sulawesi	46,137	64,173	110,310	30,419	71,028	101,447			
10.	Bali	38,479	25,287	63,766	37,665	35,621	73,286			
	Total	564,154 ha	1,749,336 ha	2,313,490 ha	436,868 ha	1,543,656 ha	1,980,594 ha			
11.	DKI. Jakarta	-	4,593	4,593	-	1,838	1,838			
12.	DI. Aceh	1,807	12,705	14,512	1,882	21,424	23,306			
13.	Riau	1,706	2,580	4,286	1,864	2,899	4,763			
14.	Jambi	11,330	9,413	20,743	3,952	2,528	6,480			
15.	South Sumatera	40,312	643	40,955	29,006	6,107	35,113			
16.	Bengkulu	3,450	2,716	6,166	2,852	1,417	4,269			
17.	West Kalimantan	2,424	16,124	18,548	1,102	13,890	14,992			
18.	Central Kalimantan	481	0	481	130	9,750	9,880			
19.	East Kalimantan	317	2,350	2,667	355	2,750	3,105			
20.	North Sulawesi	4,868	11,646	16,514	2,188	17,028	19,216			
21.	Central Sulawesi	2,717	9,943	12,660	1,273	9,768	11,041			
22.	South East Sulawesi	292	0	292	127	54	181			
23.	West Nusa Tenggara	10,543	14,961	25,504	7,744	24,678	32,422			
24.	East Nusa Tenggara	374	95	469	626	1,658	2,284			
25.	Maluku	-	-	-	-	-	-			
26.	Irian Jaya	-	-	-	-	-	-			
	Total	80,621 ha	87,769 ha	168,390 ha	53,101 ha	115,789 ha	168,890 ha			
	Grand Total	644,775 ha	1,837,105 ha	2,481,880 ha	489,969 ha	1,659,445 ha	2,149,414 ha			

(Table 16) Area of paddy fields implemented the intensification programme (pesticide and fertilizer) of Indonesia

No.	P r o v i n c e	1980				1981			
		BIMAS	INMAS	INTEN	BIMAS	INMAS	INTEN	INMAS	INTEN
1.	West Java	136.311 ha	471.209 ha	607.520 ha	118.018 ha	536.970 ha	654.988 ha		
2.	Central Java	45.462	300.405	345.867	29.484	357.001	386.485		
3.	D.I. Yogyakarta	2.752	29.933	32.685	2.335	37.744	40.079		
4.	East Java	49.353	325.589	374.942	45.376	396.606	441.982		
5.	North Sumatra	11.067	68.506	79.573	52.848	87.246	140.094		
6.	West Sumatra	14.545	84.174	98.719	11.717	67.956	79.673		
7.	Lampung	5.626	17.513	23.139	8.355	26.803	15.158		
8.	South Kalimantan	1.450	11.899	13.349	337	32.616	32.953		
9.	South Sulawesi	30.478	83.747	114.225	103.629	67.978	171.607		
10.	Bali	39.673	23.909	63.582	37.067	17.493	54.560		
	Total	336.717 ha	1.416.884 ha	1.753.601 ha	409.166 ha	1.628.413 ha	2.037.579 ha		
11.	DKI. Jakarta	-	2.735	2.735	-	2.857	2.857		
12.	D.I. Aceh	677	6.363	7.040	2.548	8.440	10.988		
13.	Riau	2.434	1.120	3.554	352	389	741		
14.	Jambi	3.639	895	4.534	3.124	3.447	6.571		
15.	South Sumatra	21.490	5.977	27.467	34.183	19.276	53.459		
16.	Bengkulu	706	2.031	2.737	344	9.216	9.560		
17.	West Kalimantan	414	3.029	3.443	1.004	1.749	2.753		
18.	Central Kalimantan	81	685	766	0	0	0		
19.	East Kalimantan	288	2.050	2.338	283	2.319	2.602		
20.	North Sulawesi	4.351	14.686	19.037	3.336	15.240	18.576		
21.	Central Sulawesi	1.609	4.918	6.527	2.507	12.037	14.544		
22.	South East Sulawesi	217	1.091	1.308	549	1.296	1.845		
23.	West Nusa Tenggara	5.920	29.787	35.707	5.737	34.576	40.313		
24.	East Nusa Tenggara	33	3.313	3.346	25.560	541	26.101		
25.	Maluku	28	-	28	-	-	-		
26.	Irian Jaya	-	-	-	-	-	-		
27.	East Timor	-	-	-	-	-	-		
	Total	41.887 ha	78.680 ha	120.567 ha	79.527 ha	111.383 ha	190.940 ha		
	Grand Total	378.604 ha	1.495.564 ha	1.874.168 ha	488.693 ha	1.739.796 ha	2.228.489 ha		

(Table 17) Area of paddy fields implemented the intensification programme (pesticide and fertilizer) of Indonesia

No.	P r o v i n c e	1982		
		BIMAS	INMAS	INTEN.
1.	West Java	45.984 ha	621.427 ha	667.411 ha
2.	Central Java	17.649	337.153	354.802
3.	D.I. Yogyakarta	582	35.271	35.853
4.	East Java	40.770	375.000	415.770
5.	North Sumatera	58.635	61.071	119.706
6.	West Sumatera	12.887	74.817	87.704
7.	Lampung	6.862	31.615	38.477
8.	South Kalimantan	103	48.355	48.458
9.	South Sulawesi	77.273	118.791	196.064
10.	Bali	27.763	26.769	54.532
	Total	288.508 ha	1.730.269 ha	2.018.777 ha
11.	DKI. Jakarta	-	2.162	2.162
12.	D.I. Aceh	507	26.386	26.893
13.	Riau	478	2.687	3.165
14.	Jambi	417	6.045	6.462
15.	South Sumatera	7.988	37.755	45.743
16.	Bengkulu	581	5.748	6.329
17.	West Kalimantan	45.126	6.057	51.183
18.	Central Kalimantan	0	-	-
19.	East Kalimantan	0	2.861	2.861
20.	North Sulawesi	4.335	19.608	23.943
21.	Central Sulawesi	1.804	14.818	16.622
22.	South East Sulawesi	472	651	1.123
23.	West Nusa Tenggara	2.788	33.514	36.302
24.	East Nusa Tenggara	4.226	253	4.479
25.	Maluku	151	-	151
26.	Irian Jaya	-	-	-
27.	East Timor	-	-	-
	Total	68.873 ha	158.545 ha	227.418 ha
	Grand Total	357.381 ha	1.888.814 ha	2.246.195 ha

( Table 18 ) Amount of insecticides and fungicides purchased through BIMAS and INMAS from 1 October 1981 to 31 March 1982 ( 1 t/Kg )

Pesticide Formulation	BIMAS	INMAS	Total
<b>Insecticide.</b>			
1. Agrothion 50 EC	78.842	171.660	250.502
2. Azodrin 15 WSC	54.200	184.023	238.223
3. Basazinon 45/30 EC	72.478	157.659	230.137
4. Basudin 60 EC	65.975	283.709	349.684
5. Baycarb 500 EC	45.741	164.307	210.048
6. Brantasan 450/300 EC	45.079	191.366	236.445
7. Curater 3 G	38.789	44.036	82.825
8. Diazinon 60 EC	76.345	262.897	339.242
9. Dimecron 50 SCW	26.551	70.354	98.905
10. Dursban 20 EC	52.053	400.980	453.033
11. Ekalux 5 G	3.690	12.339	16.029
12. Elsan 60 EC	20.251	229.324	249.575
13. Elstar 45/30 EC	57.764	272.166	329.930
14. Emulthion TM	74.783	61.318	136.101
15. Folithion 50 EC	255	966	1.221
16. Fomadol 50 EC	590	736	1.326
17. Furadan 3 G	47.943	103.797	151.740
18. Hopcin 50 EC	85.003	74.322	159.325
19. Hostathion 25 ULV	-	33.720	33.720
20. Lebaycid 550 EC	113.542	380.524	494.066
21. Mibas 200/100 EC	34.508	64.295	98.803
22. Mipcin 50 WP	71.444	70.378	141.822
23. Mipcinon 6/4 G	17.786	12.669	30.455
24. Nogos 50 EC	6.525	72.074	78.599
25. Padacin 2/3 G	47.600	15.775	63.375
26. Phosvel 300 EC	35	222	257
27. Sevin 85 SP	123.152	429.553	552.705
28. Sumibas 75 EC	53.282	187.673	240.955
29. Sumithion 50 EC	136.492	150.042	286.534
30. Surecide 25 EC	-	126	126
31. Thiodan 35 EC	5.771	147.352	153.123
32. Thiodan 25 ULV	29	41.179	41.208
33. Trithion 4E	107.964	87.234	195.198
<b>Total (Eq. Diazinon 60 EC)</b>	<b>1.564.462</b>	<b>4.378.775</b>	<b>5.943.237</b>
<b>Fungicide.</b>			
34. Antracol 70 WP	-	67	67
35. Daconil 75 WP	997	33.909	34.906
36. Dithane M. 45	829	32.684	32.913
<b>Total</b>	<b>1.826</b>	<b>66.060</b>	<b>67.886</b>



( Table 19 ) Insecticides and fungicides distributed to each provinces between 1 October 1981 and 31 March 1982 ( 1 t/Kg ).

Provinces	Insecticide		Total	Fungicide		Total
	BIMAS	INMAS		BIMAS	INMAS	
1. West Java	238.627	937.921	1.176.548	225	15.629	15.854
2. Central Java	187.935	884.715	1.072.658	-	15.666	15.666
3. Yogyakarta	6.687	94.964	101.651	-	1.960	1.960
4. East Java	390.338	910.184	1.300.522	1.460	12.309	13.769
5. North Sumatera	93.297	308.971	402.268	-	5.403	5.403
6. West Sumatera	32.957	160.706	193.663	12	733	745
7. Lampung	130.782	76.372	207.154	129	6.603	6.192
8. South Kalimantan	703	47.671	48.374	-	-	-
9. South Sulawesi	94.929	108.548	203.477	-	-	-
10. B a l i	78.202	62.612	140.814	-	3.500	78.202
<b>Total</b>	<b>1.254.457</b>	<b>3.592.664</b>	<b>4.847.121</b>	<b>1.826</b>	<b>61.263</b>	<b>63.089</b>
11. DKI Jaya	-	-	-	-	3.985	3.985
12. A c e h	8.585	84.126	92.711	-	-	-
13. R i a u	658	79.428	80.086	-	-	-
14. J a m b i	33.565	14.243	47.808	-	498	33.565
15. South Sumatera	161.438	143.044	304.482	-	114	114
16. Bengkulu	14.534	22.405	36.939	-	20	20
17. West Kalimantan	18.795	28.971	47.766	-	-	-
18. Central Kalimantan	-	-	-	-	-	-
19. East Kalimantan	1.808	27.985	29.793	-	-	-
20. North Sulawesi	3.451	26.061	29.512	-	180	180
21. Central Sulawesi	441	20.530	20.971	-	-	-
22. Southeast Sulawesi	100	6.998	7.098	-	-	-
23. N.T.B.	66.630	89.501	156.131	-	-	-
24. N.T.T.	-	-	-	-	-	-
25. Maluku	-	-	-	-	-	-
26. Irian Jaya	-	-	-	-	-	-
27. Central	-	242.819	242.819	-	-	-
<b>Total</b>	<b>310.005</b>	<b>786.111</b>	<b>1.096.116</b>	<b>-</b>	<b>4.797</b>	<b>4.797</b>
<b>Grand Total</b>	<b>1.564.462</b>	<b>4.378.775</b>	<b>5.943.237</b>	<b>1.826</b>	<b>66.060</b>	<b>67.886</b>

( Table 20 ) Amount of some insecticides used for control of the rice gall midge between 1 October 1981 and 31 March 1982 ( 1 t/Kg )

Provinces	Diazinon 60 EC		Ekalux 5 G		Furadan 3 G	
	BIMAS	INMAS	BIMAS	INMAS	BIMAS	INMAS
1. West Java	7.464	65.564	508	4.300	13	5.360
2. Central Java	1.051	15.467	973	3.185	196	11.673
3. Yogyakarta	-	5.000	2	274	8	1.776
4. East Java	4.121	19.150	2.207	4.580	13.379	68.050
5. North Sumatera	5.315	22.360	-	-	58	11
6. West Sumatera	2.573	21.424	-	-	-	-
7. Lampung	600	1.975	-	-	-	-
8. South Kalimantan	-	4.904	-	-	-	27
9. South Sulawesi	6.717	6.259	-	-	19.144	4.471
10. Bali	9.652	4.981	-	-	5.967	3.275
<b>Total</b>	<b>37.493</b>	<b>167.084</b>	<b>3.690</b>	<b>12.339</b>	<b>38.765</b>	<b>94.643</b>
11. DKI Jaya	-	-	-	-	-	-
12. Aceh	566	6.637	-	-	-	-
13. Riau	300	18.223	-	-	-	-
14. Jambi	3.749	670	-	-	-	-
15. South Sumatera	10.364	650	-	-	-	-
16. Bengkulu	6.498	4.269	-	-	-	-
17. West Kalimantan	391	2	-	-	-	-
18. Central Kalimantan	-	-	-	-	-	-
19. East Kalimantan	280	9.029	-	-	-	-
20. North Sulawesi	846	8.397	-	-	31	415
21. Central Sulawesi	29	2.683	-	-	-	-
22. Southeast Sulawesi	100	5.233	-	-	-	-
23. N.T.B.	15.729	21.520	-	-	9.147	8.495
24. N.T.T.	-	-	-	-	-	-
25. Maluku	-	-	-	-	-	-
26. Irian Jaya	-	-	-	-	-	-
27. Central	-	18.500	-	-	-	244
<b>Total</b>	<b>38.852</b>	<b>95.813</b>	<b>3.690</b>	<b>12.339</b>	<b>9.178</b>	<b>9.154</b>
<b>Grand Total</b>	<b>76.345</b>	<b>262.897</b>	<b>3.690</b>	<b>12.339</b>	<b>47.943</b>	<b>103.797</b>

(Table 21) Monthly fluctuation of the Infested areas (IA) and damaged tillers (DT) Caused by the rice gallmidge in West Java, Indonesia, 1981

No.	Kabupaten	Jan	Feb	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Des.	Total							
		IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'	IA' DT'						
1.	Serang	5	10,0	15	15,0									20	13,8						
2.	Pandegleng	53	10,0	163	10,0									216	10,0						
3.	Lebak	158	16,0	59	20,0	20	13,0							237	16,7						
4.	Tangerang			46	15,8								11	20	57	13,1					
5.	Bekasi													0	0						
6.	Karawang			266	16,0	226	16,0							492	16,0						
7.	Purwakarta	120	12,7	575	18,7	27	16,0					28	7,5	51	10,4	904	17,0				
8.	Subang	837	4,0	1233	5,0	1081	18,0	20	10,0					3171	9,2						
9.	Bogor	76	8,8	67	5,0	16	4,0	4	3,0	7	1,0	4	3,0	179	6,2						
10.	Sukabumi	32	17,8	190	9,3	67	20,0	15	5,9	11	2,0	2	7,5	11	9,0	13	4,6	10	12,4		
11.	Cianjur	142	8,0	52	6,0	40	12,0							9	18,4	360	12,2				
12.	Bandung					7	7,0			5	4,0			12	5,8						
13.	Sumedang	32	4,0	175	23,0									207	20,1						
14.	Garut	50	12,3	269	22,0	20	10,0	14	9,4	15	9,7	3	9,0	21	15,0	392	18,8				
15.	Tasikmalaya	92	7,5	110	8,7	9	3,0	26	12,5	75	14,4	17	17,5	2	20,0	27	18,7	116	19,9	474	13,1
16.	Ciamis	205	7,0	103	6,0									39	10,0	383	7,8				
17.	Cirebon	8	3,0	779	17,6	1624	36,1	350	15,0					2761	28,1						
18.	Kuningan	36	5,0	147	7,0	8	5,0			7	5,0	31	1,6	229	5,8						
19.	Majalengka			366	8,0					2	2,0			368	8,0						
20.	Indramayu	30	5,0			812	5,0	232	12,8	20	11,7			10	2,0	1104	6,7				
West Java		1871	4605	3972	582	49	160	140	68	50	12	55	236	11800							
		7,2	12,2	22,3	14,1	9,3	15,3	13,4	11,4	5,1	13,7	13,0	14,6	15,0							

(Table 22) Monthly fluctuation of the Infested areas (IA) and damaged tillers (DT) Caused by the rice gallmidge in West Java, Indonesia, 1962

No. Kabupaten	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sept.		Oct.		Nov.		Dec		Total						
	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT		IA	DT				
1. Serang	12	30,0			16	3,0																				22	14,6				
2. Pandeglang			46	5,0	75	15,0																					121	11,2			
3. Lebak	299	14,0	153	22,0	18	15,0	5	15,0																				475	16,6		
4. Tengerang	28	2,0			25	22,0	11	15,0																				64	12,0		
5. Bekasi					50	10,0																						50	10,0		
6. Karawang			871	6,0	99	6,0			24	5,0																		994	5,0		
7. Purwakarta	104	13,8	158	13,2	106	15,0																						368	13,9		
8. Subang	388	5,0	755	5,0	1066	22,0							4	3,0														2213	13,2		
9. Bogor	5	3,0	27	9,0	26	9,0	3	5,0			10	3,5	5	3,0														29	4,3		
10. Sukabumi	51	19,3	60	6,0	8	5,0																						156	11,8		
11. Cianjur	41	13,0	31	8,0	16	3,0																						88	9,4		
12. Bandung																													7	5,0	
13. Sumedang	800	20,0	155	4,0																									50	1,0	
14. Garut	4	9,0	8	10,0																									12	9,7	
15. Tasikmalaya	73	15,7	52	17,6	12	7,2	8	5,0			4	25,0	1	20,0	1	20,0													151	15,4	
16. Cianis	1033	12,0	893	10,0																										1947	11,2
17. Cirebon	565	5,0	2038	18,4	783	19,1	2	15,0																					3388	16,3	
18. Kuningan	151	4,0	298	5,0	25	5,0					40	10,0																	514	5,1	
19. Majalengka	532	14,8	1319	10,4	99	5,0																							1950	11,3	
20. Indramayu	175	3,3	49	6,0	156	11,5																							380	7,0	
West Java	4261	12,0	6913	11,5	2580	17,8	29	11,2	24	5,0	54	9,9	26	16,7	15	7,0	30	13,1	5	5,0	0	0	0	79	2,2			14.016	12,7		

Table 23 Monthly fluctuation of the Infested areas (IA) and damaged tillers (DT) Caused by the rice gallmidge in West Java, Indonesia, 1983

No.	Kabupaten	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Des	Total	
		IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT
1.	Serang			281	18,3					20	50,0			301	20,4
2.	Pandeglang													0	0,0
3.	Lebak	22	3,0	69	19,0	30	9,0							121	13,6
4.	Tangerang			4	8,0			22	5,0					26	5,5
5.	Bekasi					15	6,0							15	6,0
6.	Karawang	395	5,0			185	5,0							580	5,0
7.	Purwakarta	51	9,0	93	10,6	13	6,8					10	8,0	167	9,7
8.	Subang			345	8,0	198	12,0							543	9,5
9.	Bogor	5	3,0	30	13,0	58	5,7	18	3,3	26	3,2	18	3,9	8	5,0
10.	Sukabumi			58	2,0	284	3,2					24	4,7	1	5,0
11.	Cianjur			1400	37,0	240	12,9	4	7,0	2	7,0			3	18,0
12.	Bandung					10	6,0					3	7,0	10	4,0
13.	Sumedang	1	5,0					50	3,0					1	5,0
14.	Garut	15	25,0			52	15,0			12	6,0	56	8,5	15	7,0
15.	Tasikmalaya	14	20,0	31	15,0	78	29,0	22	20,0					10	10,0
16.	Ciamis	21	5,0	146	5,3	83	13,5			42	14,5	7	15,0	299	9,1
17.	Cirebon	22	3,0	49	4,6	240	11,6	139	40,0					450	19,2
18.	Kuningan			52	2,0	554	5,0	12	5,0	4	2,0			8	5,0
19.	Majalengka	22	5,0	55	5,0	59	25,0	4	40,0	30	4,0	8	7,0	2	8,0
20.	Indramayu			50	4,3	47	3,0	52	5,0	15	4,0			164	4,1
	West Java	568	2378	2416	248	50	107	133	30	24	4	52	53	6063	
		6,1	25,0	10,2	26,6	3,9	8,3	6,1	5,0	42,2	3,0	6,1	6,9	17,7	

( Table 24 ) Monthly fluctuation of the Infested areas (IA) and damaged tillers (DT) Caused by the rice gallmidge in Central Java, Indonesia, 1981

No.	Kabupaten	Jan	Feb.	Mar.	Apr.	Mei	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1.	Batang	6	5,0	4	5,0	14	26,0	147	5,0	2	5,0			2 5,0
2.	Pekalongan	12	5,0											171 6,7
3.	Pemalang	21	5,8	210	5,6	24	7,0	26	2,3	2	0,1			12 5,0
4.	Regal	210	2,0	556	4,1									295 5,4
5.	Brebes	1	2,0			5	2,0							788 3,5
6.	Semarang						7	2,0						13 2,0
7.	Kendal			43	5,0									43 5,0
8.	Demak	23	10,0	359	13,9	83	6,8							465 12,4
9.	Grobogan	134	4,9	964	8,8	18	5,8	5	2,0					1121 8,2
10.	Pati			37	4,6	6	8,4	42	2,4	5	2,1	2	1,8	3 1,7
11.	Kudus	31	5,0					4	1,7			6	1,7	25 2,9
12.	Jepara	90	9,8	58	3,9									133 3,3
13.	Rembang	28	2,4	106	1,8	63	2,5	12	4,0	2	3,0			31 5,0
14.	Blora	50	8,0	35	24,1	271	5,0							148 7,5
15.	Banyumas	499	7,1	234	4,6	15	9,5							3 0,1
16.	Gilacap	524	3,0	317	6,0	305	4,0							216 2,2
17.	Purbalingga	70	4,7	60	6,4									366 7,2
18.	Banjarnegara	251	2,6	130	3,2	42	4,4	16	3,0	140	2,8	93	3,5	442 7,3
19.	Magelang													282 5,0
20.	Temanggung													3109 2,5
21.	Wonosobo													291 3,2
22.	Purworejo													955 3,1
23.	Kabumen	30	5,0	2	7,0									0 0
24.	Sukoharjo	57	6,7	67	2,9									3 10,0
25.	Karanganyar	6	7,0											64 3,1
26.	Wonogiri	8	3,3	8	1,0	22	1,0							36 5,1
27.	Sragen	25	25,0	75	10,1	94	2,6	47	15,0	27	3,0	4	3,0	124 4,6
28.	Klaten													16 3,6
29.	Boyolali	30	3,0	56	32,6	35	6,0							45 1,6
30.	Ko. Magelang													20 2,0
	Central Java	2160	3341	995	9,4	389	3,7	2134	299	48	47	46	2,1	10724
		5,0	7,6	4,5	9,4	3,7	2,3	4,1	1,4	5,3	2,3	2,3	5,4	5,3



(Table 26) Monthly fluctuation of the infested areas (IA) and damaged tillers (DT) caused by the rice gallmidge in Central Java, Indonesia, 1983

No.	Kabupaten	Jan		Feb		Mar		Apr		May		Jun		Jul		Aug		Sept		Oct		Nov		Des		Total							
		IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT				
1.	Batang	1	6,0			38	2,0																					39	2.1				
2.	Pekalongan	20	11,0					3	18,0	9	11,0																	6	3.0	38	10.3		
3.	Pemalang																													0	0.0		
4.	Tegal			81	2,6	49	3,6	16	6,2																					146	3.3		
5.	Brebes	12	2,0	227	6,1	51	5,0																							299	5.6		
6.	Semarang			1	2,0	5	5,0																							6	4.5		
7.	Kendal			5	5,0	11	5,0																							16	5.0		
8.	Demak			38	3,1	47	5,0	23	5,0	27	5,9																			135	4.6		
9.	Grobogan	11	3,0	170	4,9	208	5,7	187	4,9	10	10,0																			586	5.2		
10.	Pati	2	2,2			4	2,3	3	2,3	3	2,1	26	2,0																	42	2.7		
11.	Kudus																													0	0.0		
12.	Jepara																													11	4.0		
13.	Rembang																													13	0.3		
14.	Blora			28	5,8					4	3,0	16	1,6																	28	5.0		
15.	Banyumas	31	6,1	159	13,0	176	7,2	3	10,0																					8	5.8		
16.	Cilacap	528	2,0	766	5,0					5	5,0																			382	9.5		
17.	Purbalingga	12	1,0	80	2,0	43	6,2	11	1,0	4	1,0	10	10,0																	1406	8.8		
18.	Banjarnegara	300	1,2	1480	15,2	464	10,1																							12	1.0		
19.	Magelang			1	5,0																									3	5.0		
20.	Temanggung																													4	2.0		
21.	Wonosobo	28	5,0	13	2,5																									0	0.0		
22.	Purworejo																														0	0.0	
23.	Kebumen																														41	4.2	
24.	Sukoharjo	69	2,0	18	3,0	16	3,0	2	1,0	8	1,0	5	2,0	16	2,0	3	1,0													52	9.1		
25.	Karanganyar			60	3,9					4	2,0	2	1,0																		139	2.2	
26.	Wonogiri	34	8,4	5	4,0					2	5,0	3	3,0																		76	3.6	
27.	Sragen	10	1,0			22	3,0	3	15,0	10	8,0																				44	7.3	
28.	Klaten	15	12,0	11	12,0	32	12,0	48	13,2	20	9,5	3	11,0	6	12,0																45	4.5	
29.	Boyolali			19	5,0	8	4,0																								3	13.0	
30.	Ko. Magelang																														10	7.0	
	Central Java	1073	2,5	3161	10,1	1195	7,4	296	6,3	95	6,6	172	7,3	27	4,2	69	6,0														84	2.4	
																															52	3.8	
																																6352	7.7



Table 27 Monthly fluctuation of the Infested area (IA) and damaged tillers (DT)  
Caused by the rice gall midge in East Java, Indonesia, 1981

No. Kabupaten	Jan.		Feb.		Mar.		Apr.		May		Jun.		Jul.		Aug.		Sept.		Oct.		Nov.		Dec.		Total	
	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT		
1. Surabaya	10	16,0	12	6,2																					22	10,7
2. Gresik	20	3,0	56	5,0	22	3,0																			98	4,1
3. Sidoarjo	6	10,0	9	15,0	2	15,0												7	20,0						24	15,2
4. Mojokerto			10	10,0																					10	10,0
5. Jombang																									0	0,0
6. Bojonegoro			66	7,8																					66	7,8
7. Tuban			250	1,0	16	10,0																			266	1,5
8. Lamongan	1	5,0	20	0,0	1	17,0																			22	10,1
9. Madiun	9	3,0																							0	0
10. Ngawi																									9	3,0
11. Magetan																									0	0
12. Ponorogo																									0	0
13. Pacitan																									0	0
14. Kediri																									0	0
15. Ngarjuk																									0	0
16. Blitar																									0	0
17. Tulungagung			4	2,0																					4	2,0
18. Trenggalek			32	11,0																					32	11,0
19. Malang																									0	0
20. Pasuruan	2	4,0			1	9,0	5	12,0																	2	4,0
21. Probolinggo																									6	11,5
22. Lumajang																									0	0
23. Bondowoso																									0	0
24. Situbondo	12	5,0																							1	3,0
25. Jember			8	1,0																					9	10,5
26. Banyuwangi																									23	7,0
27. Pamekasan																									34	4,1
28. Pangkajene																									0	0
29. Sampang																									5	14,8
30. Sumenep			20	6,0	4	10,0																			0	0
																									24	6,7
East Java	24	4,2	437	4,0	112	7,8	29	29	6	6	3	17	2	2	7	0	0	0	0	0	0	0	0	0	1	9
																										647





( Table 30 ) Monthly fluctuation of the Infested areas (IA) and damaged tillers (DT)  
 Caused by the rice gall midge in D.I. Yogyakarta, Indonesia, 1981

No. Kabupaten	Jan	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT	IA DT
1. Bantul	5 2,0		205 9,4								27 15,0		237 9,9
2. Sleman			20 10,0	54 10,0	18 15,0								92 11,0
3. Gunung Kidul			1 2,0		5 1,0	7 2,0						5 2,0	18 1,7
4. Kulon Progo												3 6,0	3 6,0
5. Kodya Yogya													0 0
D.I. Yogya- karta	5 2,0	0 0	226 9,4	54 10,0	23 12,0	7 2,0	0 0	0 0	0 0	0 0	27 15,0	8 3,5	350 9,7

(Table 31) Monthly fluctuation of the infested areas (IA) and damaged tillers (DT) caused by the rice gall midge in D.I. Yogyakarta, Indonesia, 1982.

No. Kabupaten	Jan	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Total	
	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT	IA	DT
1. Bantul			5	3,0	15	3,0	8	3,8		10	7,0		38	4,2
2. Sleman		10	5,0			14	6,0	6	5,0				30	5,5
3. Gunung Kidul							9	1,6					9	1,6
4. Kulon Progo													992	7,0
5. Kodya Yogya													0	0,0
D.I. Yogya- karta	0	1002	7,0	3,0	24	2,5	22	5,2	6	5,0	10	7,0	135	10,1

(Table 32) Monthly fluctuation of the Infested areas (IA) and damaged tillers (DT) Caused by the rice gallmidge in D.I. Yogyakarta, Indonesia, 1983

No.	Kabupaten	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Total
		IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT	IA' DT
1.	Bantul				2	5,0							12	6.0 14 5.9
2.	Sleman												2	16.0 2 16.0
3.	Gunung Kidul								6	3,0				6 3.0
4.	Kulon Progo												7	6,0 7 6.0
5.	Kodya Yogya													
D.I. Yogyakarta		7	6,0	2	5,0				6	3,0			14	29 7.4 6.1

( Table 33 ) Damaged area (ha) caused by rice pests in Indonesia.

Name of rice pests	1977	1978	1979	1980	1981	1982
1. Stem borer complex	275,695	281,082	194,671	226,671	211,310	244,720
2. Rodent	152,371	231,377	-	281,504	240,575	235,375
3. Rice leaf roller	116,561	86,407	34,985	106,710	65,959	98,016
4. Brown planthopper	460,055	382,014	462,782	306,358	63,671	71,771
5. Rice bug	91,537	202,262	157,548	86,189	113,326	90,431
6. Army worm complex	15,030	27,281	21,056	49,852	58,261	39,812
7. Rice gall midge	78,541	58,288	45,709	32,442	20,414	24,119
8. Wild pig	9,271	25,855	4,931	4,303	28,954	8,419
9. Grass hopper complex	-	716	-	-	-	948
10. Green rice bug	-	-	-	654	64	666
11. Leaf hopper complex	-	-	-	880	-	526
12. Mole cricket	-	-	-	-	1,477	396
13. Grub	-	-	-	-	311	115
14. Monkey	-	-	-	-	712	7
15. Rice case worm	-	-	-	-	59,853	-
16. Black rice bug	9,683	15,048	17,648	8,398	8,978	-
17. Thrips	-	272	-	232	884	-
18. Bird	-	-	-	-	10	-
19. Elephant	-	-	-	-	145	-
Total area	1,208,744	1,310,602	942,330	1,104,193	874,904	815,321
1. <u>Rhizoctonia oryzae</u>	62	5	-	-	-	7,478
2. Tungro	-	2,683	2,526	1,133	18,088	7,135
3. <u>Pyricularia</u> sp.	755	3,096	928	2,289	2,122	7,329
4. <u>Xanthomonas</u> sp.	2,506	369	151	2,473	-	4,637.5
5. <u>Helminthosporium</u> sp.	1,420	2,800	930	1,356	1,308	4,160
6. Grassy stunt	-	1,322	147	5,125	-	59
7. <u>Acroclidium</u> sp.	-	-	-	-	-	1,918
8. <u>Cercospora</u> sp.	169	44	-	-	-	1,336
9. Orange leaf	-	-	-	-	-	163
10. Yellow dwarf	-	-	-	-	-	49
11. Ragged stunt	-	-	147	-	-	32
Total area	4,912	10,319	4,829	15,587	21,584	34,296.5
Grand total area	1,213,656	1,320,421	947,159	1,119,780	816,488	849,590.5

( Table 34 ) Recent outbreak of rice pests in Indonesia

Name	Locality	Damaged area, ha.	Variety	Year
1. Tungro disease	Bali Is.	15000	IR 36	1981/82
2. Tungro disease	Pekalongan, Central Java	5000	IR 36	1981/82
3. Brown planthopper	North Sumatera	20000	IR 42	1982/83
4. <u>Helminthosporium</u> sp.	Bali Is.	4000	IR 42	1982/83
5. Green rice leafhopper	Central Sulawesi	500	IR 42	1982/83
6. Tungro disease	Maluku Is.	2000	IR 36	1983
7. Rice gall midge	Cirebon, Majalenka, Cianjur	1500	Cisadane	1982/83
8. Tungro disease	Bali Is.	5000	Semeru	1983/84



( Table 35 )

Locality where field survey of the rice gall midge was conducted by the Expert and the Assistant Counterparts

Investigation	Duration (year)	Name of Locality
Dr. Terunobu Hidaka Mr. Harsono Lanya Mr. Erna Budiyanoto Mr. Gaib Wahono S. Mr. Nyoman Widiarta	1981-1983	1. Waluyu, Bekasi, 2. Pusakaratu, Subang, 3. Widasari, Indramayu, 4. Geyongan, Cirebon 5. Dawuan, Majalengka, 6. Garawangi, Majalengka, 7. Paseh, Sumedang, 8. Kota Kaler, Sumedang, 9. Citali, Sumedang, 10. Pakeumitan, Bandung, 11. Sabaner, Cianjur, 12. Sirnagali, Cianjur, 13. Sukalarang, Sukabumi, 14. Cijalingan, Sukabumi, 15. Caringin, Bogor
Mr. Erna Budiyanoto	March 10-14 1982	1. Cakadang, Banyumas, 2. Sudinara, Banyumas, 3. Karanglesan, Banyumas, 4. Pliken, Banyumas, 5. Karanganya, Purbalingga, 6. Munjul, Purbalingga
Mr. Gaib Wahono Subroto	March 10-14 1982	1. Jobon, Mojokerto, 2. Pesantren, Jombang, 3. Tejo, Jombang
Mr. Nyoman Widiarta	Jun. 27-Jul. 7 1982	Bali - 1. Marga, Tabanan, 2. Buruan, Tabanan, 3. Celagi, Tabanan, 4. Abiantuwung, Tabanan, 6. Cangu, Badung, 7. Kedu, Badung, 8. Mengwi, Badung, 10. Ubung, Badung. Lombok - 1. Karang Baru, Mataram, 2. Midang, Narmada, 3. Kekiri (1) Narmada 4. Kekiri (2) Narmada, 5. Dasanteng, Narmada, 6. Kekale, Ampenan, 7. Pengkores, Kopang, 8. Bonjeruk, Jonggat, 9. Pringgarata, Prgt. 10. Bagutan, Batukliang, 11. Kenbang Karang, Btrng, 12. Pegadangan, Masbagik, 13. Wanasaba, Aikmel. Sumbawa - 1. Lempe, 2. Berangbora

( Table 36 )

Incidence of the rice gall midge  
in the wet season in West Java.

Locality	Checking Period.	Rice variety.	Damaged tillers (%)		Parasitism (%)	
			1982	1983	1982	1983
1. Waluya, Bekasi	Jan-April	Cisadane	20,79	5,58	22,17	2,50
2. Pusakaratu, Subang.	Jan-April	Ayung Cisadane	72,51	4,26	20,49	2,12
3. Widasari, Indramayu.	Jan-April	Cimandiri	29,34	48,16	1,56	12,43
4. Geyongan, Cirebon.	Jan-April	IR-36 Cisadane	-	92,16	-	11,68
5. Dawuan, Majalengka.	Jan-March	Cisadane	85,37	70,04	8,69	25,83
6. Garawangi, Majalengka.	Jan-March	Cisadane	98,41	90,85	9,16	20,05
7. Paseh, Sumedang.	Dec-Febr.	Omas merah	76,00	19,26	37,76	50,90
8. Kota Kaler, Sumedang.	Dec.-Febr.	Omas merah	0,14	6,85	34,85	43,24
9. Citali, Sumedang	Dec.-Febr.	Saigon Terondol	40,22	25,54	59,37	46,66
10. Pakeumitan, Bandung.	Jan.-March	Cisadane	1,76	1,51	45,16	10,52
11. Sahbaner, Cianjur.	Jan.-March	Cisadane	4,24	0,00	32,72	0,00
12. Simagalih, Cianjur.	Jan.-April	Cisadane	4,85	10,74	49,20	47,28
13. Sukalarang, Sukabumi	Jan - May	Local var.	5,71	1,55	12,24	10,00
14. Cijalingan, Sukabumi.	Dec - March	Cisadane	36,69	0,68	46,75	50,00
15. Caringin, Bogor	Dec-April	Pelita	11,66	25,45	57,85	42,67

( Table 37 )

Incidence of the rice gall midge  
in the dry season in West Java.

Locality	checking period.	rice variety	Damaged tiller (%)		Parasitism (%)	
			1981	1982	1981	1982
1. Waluya, Bekasi	July-Sept	Cisadane	0,20	2,66	0	34,61
2. Purwakarta, Subang.	May - Aug.	Cisadane	4,57	1,26	33,34	21,42
3. Widasari, Indramayu.	May-June	IR-36	10,15	4,88	5,35	42,46
4. Geyongan, Cirebon	July-Aug.	Cisadane	-	22,86	-	15,73
5. Dawuan, Majalengka.	May-July	IR-36 Cisadane	1,05	1,18	0	12,50
6. Garawangi, Majalengka.	May-July	IR-36 Cisadane	2,60	33,76	4,16	21,85
7. Paseh, Sumedang	May - Aug.	Onas merah	6,20	3,21	11,36	32,25
8. Kota Kaler, Sumedang.	June-Aug.	IR-36 Cisadane	7,56	0,85	12,06	20,00
9. Citali, Sumedang	June-Sept.	Saigon	37,19	15,39	42,59	30,89
10. Pakeumitan, Bandung.	Aug - Dec.	Local var. Cisadane	15,10	0,42	41,70	0
11. Sahbaner, Cianjur	May-Sept.	Pelita Cisadane	6,89	2,58	32,63	6,45
-, - -, -	Oct.-Dec.	Pelita	8,00	0,72	36,36	20,00
12. Sirnagalih, Cianjur	Aug.-Dec.	Pelita	9,45	6,37	44,54	7,31
13. Sukalarang, Sukabumi	June-Sept. Oct.-Dec.	Local var. -, -	2,69 3,71	1,59 0,22	0 19,35	0 0
14. Cijalingan, Sukabumi.	July-Oct.	Local var. Cisadane	7,38	11,76	19,29	34,64
15. Caringin, Bogor	June-Aug. Oct - Dec	Pelita Pelita	5,92 0,54	3,68 -	19,35 28,57	36,73 -

( Table 38 )

Percentage of damaged tillers caused by  
the rice gall midge and parasitism in the  
Central and East Java, Indonesia

Locality	Checking date	Damaged tiller		Parasitism
		gall	gall + larva	
1. Cikadang, Cilongsk, Banyumas	March 11, '82	1.13	—	66.66
2. Sudimara, Batikarja, Banyumas	March 11, '82	0.93	—	50.00
3. Karanglesem, Purwokerto, Banyumas	March 11, '82	4.69	—	80.00
4. Pliken, Kumbara, Banyumas	March 11, '83	3.78	—	63.15
5. Karanganyar, Kalimanoh, Purbalingga	March 12, '83	13.04	—	66.66
6. Munjul, Kutasari, Purbalingga	March 12, '83	0.45	—	50.00
7. Jabon, Puri, Mojokerto	March 14, '83	22.41	—	4.48
8. Pesantren, Tembelang, Jombang	March 13, '83	66.24	—	8.98
9. Tejo, Tlojoagung, Jombang	March 14, '83	47.02	—	7.08

— No dissection

( Table 39 )

Percentage of damaged tillers caused by  
the rice gall midge and parasitism in West  
Nusa Tenggara and Bali Island, Indonesia

## 1. Lombok Island

Locality	Checking date	Damaged Tiller		Parasitism
		gall	gall + larva	
1. Pagadangan, Mashagik, Lombok Timur	June 29, '83	0	0	0
2. Wanasaba, Aikunil, Lombok Timur	June 29, '83	0.19	0.63	0
3. Pengkores, Kupang, Lombok Tengah	June 29, '83	2.06	4.63	88.23
4. Bon Juruk, Jonggot, Lombok Tengah	June 28, '83	1.08	3.62	14.28
5. Prunggarasa, Prunggarasa, Lombok Tengah	June 28, '83	0.14	0.14	100.00
6. Pagsan, Basnkliang, Lombok Tengah	June 28, '83	0.94	1.14	25.00
7. Kembang Kerang, Basnkliang, Lombok Tengah	June 28, '83	0	0	0
8. Ylonang Baru, Mataram, Lombok Barat	June 28, '83	0.62	0.81	50.00
9. Midang, Narmada, Lombok Barat	June 28, '83	0	0	0
10. Tekerri, Narmada, Lombok Barat	June 28, '83	0	0	0
11. Kekeri, Narmada, Lombok Barat	June 28, '83	0.74	0.74	20.00
12. Dasankeng, Narmada, Lombok Barat.	June 28, '83	0	0	0
13. Kekall, Anpenan,	June 30, '83	1.53	1.78	33.33

( Table 40 )

Percentage of damaged tillers caused by  
the rice gall midge and parasitism in West  
Nusa Tenggara and Bali Island, Indonesia

## 2. Sumbawa Island

Locality	Checking date	Damaged tiller		Parasitism
		gall	gall + larva	
1. Lempe, Sumbawa Besar, Sumbawa	June 30, '83	0	0	0
2. Berangbara (1), Sumbawa Besar, Sumbawa	June 30, '83	0.59	0.59	0

## 3. Bali Island

Locality	Checking date	Damaged tiller		Parasitism
		gall	gall + larva	
1. Marga Marga, Tabanan	July 5, '83	2.59	8.00	25.92
2. Burunan, Penebal, Tabanan	July 5, '83	4.32	11.11	44.00
3. Celagi, Penebel, Tabanan	July 5, '83	5.98	16.96	71.42
4. Abian Trowong, Kedir, Tabanan	July 5, '83	2.86	11.53	71.05
5. Cangu, Kuta, Badung	July 7, '83	3.52	7.46	79.16
6. Kodua, Penatih, Badung	July 6, '83	2.86	3.37	34.48
7. Mengwi, Mengroi, Badung		3.86	25.10	38.88
8. Bongkasa, Abran Semal, Badung		3.02	3.75	36.17
9. Nbung, Denpasar Barat, Badung		1.48	3.06	46.15

( Table 41 )      Incidence of the rice gall midge in  
Purwakarta, West Java, in the wet season 1982/83

Locality	Checking date	Variety	Damaged tillers		Parasitism	
			Gall	Dissection	Gall	Dissection
1. Surinagalih, Plered, Purwakarta.	Feb. 2, '83	Cisadane	9.27	35.16	5.71	13.76
	Mar. 15, '83	Cisadane	15.69	44.63	62.68	59.12
2. Citamiang, Plered, Purwakarta.	Feb. 2, '83	Siba	7.07	-	76.39	-
	Mar. 15, '83	Siba	8.69	41.46	56.25	61.03

( Table 42 )

Incidence of the rice gall midge in Cianjur Regency, West Java  
February 15 - 21, 1983.

Rural extension center (WKBPP)	Agriculture extension worker area, (WKPP/LUAS)	Farmer's group area ( WILKEL )	Variety	Days after transplanting	Damaged tillers (%)		Parasitism
					by gall	by dissection	
1	2	3	4	5	6	7	8
1. Ciranjang	Selajambe (368 ha)	Selajambe	Cisadane	60	5.83	33.86	44.19
		Ciarateun	Cisadane	55	12.18	50.00	37.01
	Haurwangi (424 ha)	Haurwangi	Cisadane	40	8.13	21.89	13.33
		Sagatan	Cisadane	50	15.77	28.57	42.86
	Bojongpicung (548 ha)	Pasirmalang	Cisadane	50	43.05	63.31	35.23
	Cibodas	Cisadane	50	32.95	43.19	20.70	
	Sindangjaya (32 ha)	Sindangjaya	Cisadane	50	49.21	71.18	45.06
	Cibiuk (15 ha)	Cibiuk (15 ha)	Cisadane	50	42.21	67.38	38.21
	Karangwangi (17 ha)	Karangwangi (17 ha)	Cisadane	50	35.43	50.47	41.39
2. Karang Tengah	Ciherang (533 ha)	Samolo	Cisadane	50	9.59	42.35	43.23
		Cirata	Cisadane	55	6.69	28.27	38.95
	Bojong (469 ha)	Kebun Kelapa	Cisadane	50	5.46	31.97	71.79
		Gunteng	Cisadane	70	4.37	37.86	37.74
	Sukasari (689 ha)	Malah Mandar-jaya.	Cisadane	55	46.46	77.01	48.96
	Sugimukti	Cisadane	40	9.19	27.49	68.12	

( to be continued )



1	2	3	4	5	6	7	8
3. Cibeber	Cihaur (987 ha)	Cihaur	Lokal	60	6.33	8.47	6.43
		Pasir Jengkol	GH 147	55	14.81	38.65	32.50
	Ciwalen (586 ha)	Birong	Pelita	35	3.40	7.84	25.60
		Ciwalen	Pelita	45	6.90	9.47	22.22
	Cipetir (701 ha)	Cisalak	Cisadane	55	20.54	34.15	31.96
		Pasir Batu	Cisadane	55	9.39	41.86	27.78
4. Cikalong	Majalaya (409 ha)	Langkob II	Cisadane	40	12.35	21.11	24.56
	Cijagang (368 ha)	Mangfaat II	Cisadane	25	21.65	56.47	20.53
	Cibereum	Burut	Cisadane	40	4.35	15.63	2.86
5. Cianjur Kota	Rancagoong (286 ha)	Tegal Batu	Cisadane	30	4.37	12.36	9.19
		Cibirong	Cisadane	30	5.28	19.83	8.69
	Nagrak (372 ha)	Cisarua I	Cisadane	45	3.37	12.37	13.64
	Sayang (75 ha)	Cikukuluh	Pelita	60	3.15	6.14	4.67
		Gunung Galung	Pelita	60	4.04	8.19	5.67

( Table 43 )

Percentage of damaged tillers caused by the rice gall midge and parasitism at Jatisari in Karawang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				Gall	Larva + gall		
		March 29. '81	IR-36				
Jatisari Field Laboratory Karawang	June 4. '82			3.43	11.06	46.15	
	11			5.66	14.19	43.95	
	18			4.19	11.72	32.39	
	25			2.20	5.19	31.57	
	July 2			1.25	4.07	22.72	
	9			2.68	5.68	47.61	
	16			0.96	3.75	37.50	
			Nov. 19. '82	OTT-135			
	Jatisari Field Laboratory Karawang	Jan. 9. '83			0	0	0
16				0.82	2.29	69.23	
21				0.63	1.65	10.00	
28				1.99	4.81	43.75	
Feb. 4				0.95	1.70		
11				1.62	1.94	17.39	
18				0.83	0.83	0	
25				0.46	0.46	0	

( Table 44 )

Percentage of damaged tillers caused by the rice gall midge and parasitism at Jatisari in Karawang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Nov. 6. '81	IR-36			
Jatisari.	Nov. 30. '81			0	0	0
Karawang	Dec. 8.			0	0	0
	15			0	0	0
	22			0.23	0.23	0
	29			0.46	0.46	0
	Jan. 5. '82			0.40	0.40	0
	12			0.30	0.30	0
	19			1.91	1.94	0
	26			4.92	6.94	0
	Feb. 2			2.24	2.79	14.28
	9			2.25	2.25	0
		March 28. '82	IR-36			
Jatisari	June 8. '82			3.65	9.62	35.08
Karawang	15			3.52	14.50	43.33
	22			1.90	5.00	40.62
	29			0.40	0.40	42.33
		Nov. 6. '82	IR-36			
Jatisari-	Nov. 20. '82			0	0	0
Bakansewi	27			0	0	0
Karawang	Dec. 4			0.52	3.05	0
	11			0.29	1.30	0
	18			0.36	1.68	33.33
	25			0.26	1.25	50.00
	Jan. 1. '83			0.56	2.41	36.36
	8			1.09	2.90	40.00
	15			1.01	2.31	31.25
	22			1.04	2.35	66.66
	29			0.98	2.35	15.78
	Feb. 5			1.34	2.24	29.16
	12			1.19	1.19	0
	19			0	0	0

( Table 45 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Jatiragas in Karawang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
Nov. 9. '81 IR-36						
Jatiragas,	Dec. 2. '81			0	0	0
Jatisari	7			0	0	0
Karawang	14			0	0	0
	21			0.12	0.12	0
	28			0.15	0.15	0
	Jan. 4. '82			0.32	0.32	50.00
	11			0.73	0.73	0
	18			5.89	5.44	23.07
	25			2.76	3.09	0
	Feb. 1			2.21	2.21	0
	8			3.36	3.36	0
	15			1.40	1.40	0
Nov. 22. '82 IR-36						
Jatiragas,	Dec. 6. '82			0	0	0
Jatisari	13			0	0	0
Karawang	20			0.15	0.15	100.00
	27			0	0	0
	Jan. 3. '83			0.50	1.48	40.00
	10			1.19	2.97	40.90
	17			0.75	3.16	33.33
	24			0.30	2.05	33.33
	31			1.64	1.96	23.07
	Feb. 7			1.32	1.32	19.04
	14			0.92	0.92	0
	21			0.59	0.59	50.00
April 11. '83 IR-36						
Jatiragas,	May 3. '83			0.66	4.42	0
Jatisari	10			1.35	4.65	12.50
Karawang	17			1.65	4.44	13.04
	24			1.43	4.04	17.39
	31			1.05	2.76	2.14
	Jan. 7			-	-	-

( Table 46 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Bolonggandu in Karawang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Oct. 31. '81	IR-36			
Bolonggandu	Dec. 1. '81			0	0	0
Jatisari	9			0.13	0.13	0
Karawang	16			0.26	0.26	0
	23			0.84	0.84	0
	30			1.07	1.07	14.28
	Jan. 6			1.20	1.20	27.77
	13			4.00	5.46	6.77
	20			6.25	10.82	5.40
	27			6.44	6.74	5.26
	Feb. 3			2.46	2.46	9.09
	10			1.68	1.68	0
		Dec. 16. '82	IR-36			
Bolonggandu	Dec. 30. '82			0	0	0
Jatisari	Jan. 6. '83			0	0	0
Karawang	13			0.40	1.81	42.85
	20			0.76	2.22	30.76
	27			0.99	3.28	43.75
	Feb. 3			1.43	2.09	33.33
	10			0.95	0.95	15.38
	17			0.60	1.96	25.00
	24			0.58	1.74	0
	March 3			1.14	1.14	16.66
	10			1.30	1.30	31.25
	17			1.17	1.17	0
		Apr. 23. '83	IR-36			
Bolonggandu	May 11. '83			1.13	5.42	0
Jatisari	18			1.36	5.97	17.64
Karawang	25			1.87	13.17	26.31
	June 1			1.60	4.50	34.61
	8			-	-	-
	15			-	-	-
	22			-	-	-
	29			-	-	-
	July 6			-	-	-
	13			-	-	-
	20			-	-	-
	27			-	-	-

( Table 47 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Bolonggandu/Krajan in Karawang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Nov. 10, '81	IR-36			
Bolonggandu/ Krajan.	Dec. 4, '81			0.08	0.08	0
Jatisari	11			0.24	0.24	0
Karawang	18			0.55	0.55	0
	25			0.36	0.36	0
	Jan. 1, '82			0.49	0.49	0
	8			0.33	0.33	0
	15			15.66	14.81	11.62
	22			8.91	12.90	12.82
	29			7.74	9.81	6.72
	Feb. 5			6.00	16.53	12.63
	12			3.50	2.48	0.29
		Nov. 25, '81	IR-36			
Pangulah, Jatisari Karawang	Dec. 3, '81			0	0	0
	10			1.78	1.78	0.31
	17			0	0	0
	24			0.08	0.08	0
	31			0.18	0.18	0
	Jan. 7, '82			0.46	0.46	25.00
	14			3.98	3.98	16.66
	21			2.92	3.51	11.11
	28			14.55	11.74	7.40
	Feb. 4			7.90	9.83	14.07
	11			5.75	8.05	8.72
	18			5.77	13.37	9.25
	25			2.68	2.68	0
	March 4			1.88	1.88	0

( Table 48 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pangulah Utara in Karawang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Jan. 25, '83	IR-36			
Pangulah Utara, Jatisari, Karawang	Feb. 8, '83			0.63	1.78	33.33
	15			1.73	5.10	31.25
	22			1.69	4.66	29.16
	March 1			1.85	2.83	32.35
	8			1.86	4.96	14.28
	15			2.95	6.66	22.91
	22			2.46	5.00	13.95
	30			2.71	5.01	30.00
	April 6			2.56	4.10	12.19
	12			1.38	2.50	17.39
		May 27, '83	IR-36			
Pangulah Utara, Jatisari, Karawang	June 10, '83			0.64	1.86	0
	17			1.77	7.81	25.00
	24			2.67	11.92	16.66
	July 1			2.62	9.85	34.37
	8			2.01	5.82	21.87
	15			1.99	7.95	45.16
	22			1.58	5.90	26.92
	29			2.31	5.99	44.44
	Aug. 5			1.63	4.00	24.00

( Table 49 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pangulah Baru in Karawang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Apr. 19, '83	IR-36			
Pangulah Baru, Jatisari Karawang	May 9, '83			1.77	5.04	16.66
	16			1.83	4.83	15.38
	23			2.03	5.98	25.80
	30			1.83	5.09	13.79
	June 6			2.36	2.96	16.66
	13			2.28	3.19	19.44
	20			1.87	4.08	2.50
	27			1.48	3.64	13.04
	July 4			0.63	1.15	0



( Table 50 )

Percentage of damaged tillers caused by the rice gall midge and parasitism at Jatisari/Borosol in Karawang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Dec. 8, '82	IR-36			
Jatisari/Borosol, Jatisari Karawang	Dec. 22, '82			0	0	0
	29			0	0	0
	Jan. 5, '83			0	0	0
	12			0	0	0
	19			0	0	0
	26			0.30	1.77	40.00
	Feb. 2			0.83	2.02	0
	9			0.18	1.80	33.33
	16			0.61	1.77	0
	23			0.45	0.45	14.28
	March 2			0.79	0.79	0
	9			0.34	0.34	0
			May 5, '83	IR-36		
Jatisari/Borosol, Jatisari Karawang	May 19, '83			0.46	1.44	0
	26			1.27	6.56	38.46
	June 2			1.22	4.80	38.88
	9			1.69	7.27	33.33
	16			1.95	3.42	23.52
	23			2.14	7.35	40.54
	30			2.30	7.09	31.57
	July 7			1.61	4.31	13.63
	14			0.88	0.88	30.76

( Table 51 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kanci in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				Gall	Larva + gall		
		Jan. 2.'82	IR36				
Kanci, As-tanajapura Cirebon	Jan. 4.'82			0	0	0	
	11			0.54	0.54	25.00	
	18			0.88	4.61	9.09	
	25			0.45	6.50	16.66	
	Feb. 1.'82			1.23	8.13	37.50	
	8			2.05	16.88	37.50	
	15			2.79	22.67	12.00	
	22			6.49	27.45	0	
	March 1			12.77	25.00	0	
	8			20.20	28.04	0	
	15			22.95	35.71	0	
	22			37.87	49.73	0	
	29			71.92	86.10	5.29	
	Apr. 5			77.52	79.54	13.56	
	12			62.86	68.85	19.95	
	19			72.75	81.11	23.36	
			Feb. 3.'83	IR36			
	Kanci, As-tanajapura Cirebon	Feb. 14.'83			3.03	16.39	0
		21			3.38	11.35	2.77
28				3.21	9.46	0	
March 7				2.44	7.38	0	
14				4.10	10.77	6.89	
21				4.36	8.85	5.43	
28				6.77	12.56	3.52	
Apr. 4				5.61	9.73	0.80	
11				4.98	10.05	0.92	
18				4.32	9.69	0	
25				9.08	10.46	1.61	
May 2				8.29	10.88	3.87	
9				7.94	14.42	0	
16				7.86	12.29	0	
			June 5.'83	IR36			
Kanci, As-tanajapura Cirebon		June 13.'83			3.01	10.38	8.33
		20			4.45	12.76	5.88
	27			2.22	8.38	14.28	
	July 4			2.15	6.52	8.33	
	11			-	-	-	
	18			0.84	2.97	0	
	25			1.24	5.12	0	
	Aug. 1			0.84	2.01	0	
	8			0.48	0.93	0	
	15			0.63	1.34	0	

( Table 52 )

Percentage of damaged tillers caused by the rice gall midge and parasitism at Pangenan in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Dec. 28. '83	Cisadane			
Pangenan, Astanajapura. Cirebon	Jan. 4. '83			0	0	0
	11			0	0	0
	18			1.58	13.15	25.00
	25			0.82	17.20	0
	Feb. 1			1.57	8.60	28.57
	8			1.95	15.32	33.33
	15			3.42	20.20	0
	22			5.83	22.03	0
	March 1			10.12	22.07	0
	8			20.12	34.23	0
	15			25.81	36.41	0
	22			44.74	69.68	0
	29			75.55	89.08	3.11
	April 5			76.26	78.53	6.12
	12			62.67	61.67	15.98
	19			71.10	78.34	14.04
		Feb. 4. '83	IR36			
Pangenan, Astanajapura. Cirebon	Feb. 14. '83			1.50	8.45	0
	21			1.75	11.57	0
	28			3.19	10.84	0.08
	March 7			2.62	7.44	0
	14			4.31	10.16	13.41
	21			4.12	10.68	1.14
	28			6.51	10.30	5.71
	April 4			5.02	5.70	3.63
	11			4.31	9.72	0.18
	18			4.85	9.31	0
	25			7.36	12.04	0

( Table 53 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Rawa Urip in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Dec. 31. '81	IR36			
Rawa Urip	Jan. 11. '82			0.43	0.43	0
Astanajapura.	18			1.63	1.63	0
Cirebon	25			1.10	13.75	0
	Feb. 1			1.61	9.09	31.25
	8			1.67	14.17	28.00
	15			3.45	24.26	0
	22			4.60	19.73	0
		Jan. '82	IR36			
	March 1			10.85	24.06	0
	8			11.85	29.16	0
	15			23.03	34.15	0
	22			46.04	62.87	0
	29			70.87	86.72	3.61
	April 5			76.54	79.57	8.93
	12			69.02	80.08	18.01
	19			68.98	78.85	22.22
		Feb. 3. '83	IR36			
Rawa Urip	Feb. 14. '83			5.05	22.00	0
Astanajapura.	21			3.24	10.43	0
Cirebon	28			2.46	9.36	3.70
	March 7			3.15	9.73	8.92
	14			3.99	8.63	7.05
	21			4.03	9.11	3.52
	28			5.61	8.37	2.43
	April 4			6.40	10.78	6.33
	11			3.91	12.96	0
	18			4.50	9.56	0
	25			8.01	12.46	1.34

( Table 54 )

Percentage of damaged tillers caused by the rice gall midge and parasitism at Astanajapura in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Dec.14.'82	IR36			
Astanajapura, Astanajapura. Cirebon.	Jan.11.'82			0	0	0
	18			0	0	0
	25			0	0	0
	Feb. 1			0.95	0.95	0
	8			2.90	22.72	61.53
	15			3.46	24.36	0
	22			6.29	26.53	0
March	1			11.78	26.68	0
	8			23.84	33.33	0
	15			24.49	36.79	0
	22			40.11	64.79	0
	29			62.74	72.22	4.79
April	5			72.89	73.46	3.44
	12			70.72	73.82	17.11
	19			77.32	57.07	18.62
		Feb. 8.'83	Cisadane			
Astanajapura, Astanajapura. Cirebon.	Feb. 14.'83			0.37	10.25	0
	21			3.68	15.87	0
	28			3.28	13.61	0
March	7			2.84	9.48	0
	14			3.98	12.99	10.52
	21			4.06	7.65	8.23
	28			4.99	7.12	0
April	4			4.64	7.10	1.98
	11			5.31	9.16	2.54
	18			4.21	9.93	0
	25			7.71	11.72	4.96
May	2			6.94	11.07	0
	9			8.99	16.72	0
	16			9.18	13.04	0
	23			12.77	18.67	0

( Table 55 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Astanajapura in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		June 8. '83	Cisadane			
Astanajapura, Astanajapura. Cirebon	June 13. '83			2.29	11.76	0
	20			4.18	11.20	7.69
	27			2.97	6.61	9.09
	July 4			0.53	8.97	0
	18			1.11	3.77	0
	25			0.59	3.12	0
	Aug. 1			0.86	0.86	0
	8			0.81	0.81	0
	15			0.80	0.80	0

( Table 56 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Bendungan in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Jan. 2. '82	IR36			
Bendungan	Jan. 11. '82			0.29	0.29	0
Astanajapura.	18			0.51	5.00	100.00
Cirebon	25			0.40	8.57	0
	Feb. 1			1.70	11.22	31.25
	8			2.92	24.50	35.48
	15			4.77	21.05	1.21
	22			4.87	23.14	0
	March 1			9.84	21.76	0
	8			19.89	30.52	2.94
	15			24.06	34.03	0
	22			45.82	56.21	0
	29			72.97	87.35	4.01
	April 5			78.90	82.63	12.33
	12			66.62	75.00	15.84
	19			73.22	76.07	13.55
		Feb. 5. '83	IR36			
Bendungan	Feb. 21. '83			3.95	15.60	0
Astanajapura.	28			3.85	10.45	0
Cirebon	March 7			2.66	7.63	0
	14			4.63	11.45	6.38
	21			4.24	7.95	3.37
	28			4.84	7.37	4.67
	April 4			5.04	9.06	0.89
	11			4.70	8.99	0.97
	18			4.53	8.30	0
	25			7.69	13.27	2.73
	May 2			7.15	11.20	0

( Table 57 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 26, '81	IR-36			
Kesugengan,	Dec. 3, '81			1.12	1.12	50.00
	10			0.43	0.43	0
Plumbon,	17			0.50	0.50	25.00
Cirebon.	24			0.58	0.79	22.22
	31			0.24	0.24	0
	Jan. 7, '82			0.37	0.54	0
	14			0.27	1.02	0.33
	21			0.76	5.14	41.17
	28			0.58	4.67	58.33
	Feb. 4			1.07	3.95	36.84
	11			1.93	11.50	11.36
	18			2.27	23.83	53.19
	25			7.26	20.00	0
	Mar. 4	Jan, '82	IR-36	5.67	11.92	0
	11			18.01	24.47	0
	18			23.84	33.16	0
	25			39.25	57.89	0
	Apr. 1			75.28	87.35	12.49
	8			70.67	74.01	6.91
	15			66.07	76.73	12.41
	22			70.26	75.56	15.00
		May 4, '82	Cisadane			
Kesugengan,	May 13, '82			0	0	0
	20			1.77	6.12	0
Plumbon,	27			0.57	2.02	20.00
Cirebon.	Jun. 3			0.82	0.98	55.55
	10			0.73	2.70	18.18
	17			1.41	3.80	3.33
	24			1.14	2.88	0
	Jul. 1			1.40	3.22	0
	8			1.39	1.19	0
	15			1.28	1.67	0
	22			-	-	-
	29			0.49	0.58	0
	Aug. 5			1.12	1.81	0



( Table 58 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 21, '81	IR-36			
Kebarepan,	Jan. 7, '82			0	0	0
Plumbon,	14			0	0	0
Cirebon.	21			0.41	2.46	71.42
	28			0.55	6.94	44.44
	Feb. 4			0.41	4.76	30.00
	11			1.58	12.72	16.66
	18			2.55	12.76	14.28
	25			6.29	21.44	0
	Mar. 4	Jan. 1982		11.29	24.40	0
	11			11.73	24.04	0
	18			27.92	43.94	0
	25			37.68	32.66	0
	Apr. 1			73.83	79.48	13.36
	8			70.11	68.43	5.96
	15			66.74	71.20	14.94
	22			73.58	87.92	16.05
		May 5, '82	IR-36			
Kebarepan,	May 13, '82			0	0	0
Plumbon,	20			0	0	0
Cirebon.	27			0.38	0.38	0
	June 3			0.48	1.07	40.00
	10			0.94	1.90	21.42
	17			1.46	3.38	3.22
	24			1.01	2.94	0
	Jul. 1			1.96	4.31	0
	8			1.15	2.82	0
	15			1.45	2.14	0
	22			-	-	-
	29			0.74	0.81	0
	Aug. 5			1.17	1.63	0

( Table 59 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 8, '83	Cisadane			
Kebarepan,	Jan. 20, '83			0	0	0
Plumbon,	27			4.83	11.97	2.08
Cirebon.	Feb. 3			6.74	12.45	8.91
	10			7.87	15.74	6.71
	17			4.30	7.16	9.57
	24			4.00	6.68	0
	Mar. 3			4.98	8.77	10.71
	10			-	-	-
	17			4.83	11.97	2.08
	24			9.99	23.13	4.10
	31			13.34	26.37	6.34
	Apr. 7			8.05	14.21	8.57
	14			7.68	22.17	5.45
	21			10.57	20.40	5.55
		May 22, '83	Cisadane			
Kebarepan,	May 26			0	0	0
Plumbon,	Jun. 2			0	0	0
Cirebon.	9			19.97	76.87	3.84
	16			5.41	34.03	3.63
	23			3.60	20.62	0
	30			1.11	1.33	0
	Jul. 7			0.57	0.80	0
	14			-	-	-
	21			0.74	1.33	0
	28			0.61	1.44	0
	Aug. 4			0.49	1.48	0

( Table 60 )

Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 21, '81	IR-36			
Karang Asem,	Dec. 31, '81			0	0	0
Plumbon,	Jan. 7, '82			0.97	0.97	16.66
Cirebon.	14			0.05	0.05	0
	21			0.48	4.14	70.00
	28			0.73	7.18	54.54
	Feb. 4			0.82	4.19	28.57
	11			0.95	9.87	13.63
	18			2.57	16.82	9.25
	25			9.64	23.80	0
	Mar. 4	Jan. 1982		9.53	28.15	0
	11			14.98	28.34	0
	18			26.83	36.53	0
	25			40.51	57.14	0
	Apr. 1			74.30	82.86	13.84
	8			70.49	71.49	6.36
	15			64.95	73.94	20.36
	22			73.47	86.11	15.30
		May 5, '82	IR-36			
Karang Asem,	May 13, '82			0	0	0
Plumbon,	20			0	0	0
Cirebon.	27			0.58	1.36	0
	Jun. 3			0.71	0.96	37.50
	10			0.26	1.15	25.00
	17			1.70	4.14	13.51
	24			1.24	2.67	0
	Jul. 1			1.62	3.61	0
	8			1.03	1.56	0
	15			1.60	2.62	0
	22			-	-	-
	29			0.56	0.56	0
	Aug. 5			1.17	1.43	0

( Table 61 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 4, '83	Cisadane			
Karang Asem,	Jan. 13, '83			0	0	0
Plumbon,	20			2.18	2.18	0
Cirebon.	27			6.72	16.98	5.05
	Feb. 3			3.28	16.28	5.22
	10			6.99	12.50	2.96
	17			4.07	5.88	7.69
	24			4.19	8.70	4.25
	Mar. 3			3.68	6.38	6.17
	10			-	-	-
	17			6.72	20.84	5.05
	24			14.00	38.58	6.84
	31			11.49	29.09	4.81
	Apr. 7			5.60	8.11	0
	14			7.47	17.42	3.84
	21			11.30	23.75	4.40
		May 21, '83	Cisadane			
Karang Asem,	May 26, '83			0	0	0
Plumbon,	Jun. 2			0	0	0
Cirebon.	9			23.85	83.72	4.03
	16			5.72	33.53	0
	23			3.50	15.82	0
	30			1.29	4.19	0
	Jul. 7			0	0	0
	14			-	-	-
	21			0.83	1.34	0
	28			0.37	2.25	0
	Aug. 4			0.36	2.23	0

( Table 62 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 6, '83	Cisadane			
Kesugengan,	Dec. 16, '82			0	0	0
Plumbon,	23			0	0	0
Cirebon.	30			0.77	0.78	0
	Jan. 6, '83			0.61	3.09	0
	13			3.34	7.49	0
	20			5.27	7.72	4.81
	27			9.18	15.28	7.73
	Feb. 3			10.43	18.10	7.00
	10			8.78	13.26	4.71
	17			4.68	6.26	1.88
	24			5.51	7.96	3.96
	Mar. 3			4.09	7.10	3.29
	10			-	-	-
	17			6.13	16.04	3.07
	24			6.00	12.39	0
		Apr. 4, '83	Cisadane			
Kesugengan,	Apr. 14			0	0	0
Plumbon,	21			1.25	16.09	0
Cirebon.	28			2.16	19.54	0
	May 5			4.68	43.70	0
	12			13.04	46.72	7.80
	19			16.25	47.82	4.80
	26			20.37	56.88	9.19
	Jun. 2			4.80	13.25	0
	9			13.37	24.66	5.14
	16			4.96	15.62	1.88
	23			3.84	14.53	0
	30			0.40	0.70	0
	Jul. 7			0.42	0.83	0
	14			-	-	-
	21			0	0	0
	28			0	0	0

( Table 63 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 17, '81	IR-36			
Kedung Sana,	Dec. 24, '81			0	0	0
Plumbon,	31			0	0	0
Cirebon.	Jan. 7, '82			0.74	0.74	0
	14			0.13	0.68	50.00
	21			0.24	2.01	50.00
	28			0.42	4.45	42.85
	Feb. 4			0.77	3.82	41.66
	11			1.07	12.79	0
	18			2.27	19.88	8.69
	25			7.74	23.73	0
	Mar. 4	Jan. 1982		10.77	28.77	0
	11			14.16	19.78	0
	18			29.26	36.81	0
	25			38.19	55.07	0
	Apr. 1			75.07	89.09	11.97
	8			70.57	69.03	5.65
	15			74.37	80.10	10.68
	22			74.28	83.65	15.04
		May 4, '82	IR-36			
Kedung Sana,	May 13, '82			0	0	0
Plumbon,	20			1.83	1.83	0
Cirebon.	27			0	0	0
	Jun. 3			0.80	0.80	44.44
	10			0.81	2.40	16.66
	17			2.04	4.61	0
	24			1.13	2.76	3.84
	Jul. 1			2.24	4.89	2.00
	8			1.03	3.06	0
	15			1.70	2.54	0
	22			-	-	-
	29			0.53	0.57	0
	Aug. 5			1.37	1.60	0

( Table 64 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 8, '83	Cisadane			
Kedung Sana,	Jan. 20, '83			0	0	0
Plumbon,	27			6.13	16.04	1.53
Cirebon.	Feb. 3			6.24	12.00	1.02
	10			5.17	17.79	1.06
	17			3.89	7.95	1.17
	24			5.19	6.98	12.50
	Mar. 3			4.69	8.69	3.80
	10			-	-	-
	17			9.18	15.28	7.73
	24			11.93	27.45	6.45
	31			13.41	25.93	6.88
	Apr. 7			7.69	13.78	4.85
	14			8.55	17.92	5.69
	21			10.81	21.78	9.39
		May 26, '83	Cisadane			
Kedung Sana,	Jun. 2, '83			0	0	0
Plumbon,	9			25.41	82.58	8.77
Cirebon.	16			5.44	34.05	0
	23			3.83	17.46	0
	30			1.21	3.62	0
	Jul. 7			0.13	0.13	0
	14			-	-	-
	21			0.91	1.92	0
	28			0.51	1.53	0
	Aug. 4			0.76	1.97	0

( Table 65 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 2, '81	Cisadane			
Plumbon,	Dec. 10, '81			3.43	17.39	25.00
Plumbon,	17			0.76	0.76	25.00
Cirebon.	24			0.11	0.11	100.00
	31			0	0	0
	Jan. 7, '82					
	14			0.44	0.44	33.33
	21			0.22	0.22	33.33
	28			0.49	3.22	25.00
	28			0.75	3.26	8.33
	Feb. 4			0.91	4.10	27.77
	11			1.30	12.14	24.13
	18			2.28	17.52	14.89
	25			8.64	21.22	0
		Jan. '82	IR-36			
	Mar. 4			10.04	22.97	0
	11			15.27	22.53	0
	18			27.02	40.60	0
	25			39.97	59.07	0
	Apr. 1			67.93	69.09	14.99
	8			70.53	71.39	7.41
	15			73.48	76.95	21.77
	22			72.79	78.59	13.57
		May 4, '82	Cisadane			
Plumbon,	May 13			0	0	0
Plumbon,	20			0	0	0
Cirebon.	27			0.99	4.05	22.22
	Jun. 3			0.70	1.43	25.00
	10			0.47	1.83	14.28
	17			1.24	3.14	0
	24			0.87	2.01	5.00
	Jul. 1			1.65	3.60	2.63
	8			1.39	4.72	0
	15			1.59	1.91	0
	22			-	-	-
	29			0.87	0.87	0
	Aug. 5			1.16	1.16	0



( Table 66 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Plumbon in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Dec. 7, '82 Cisadane						
Plumbon,	Dec. 16, '83			0	0	0
Plumbon,	23			0	0	0
Cirebon.	30			1.10	3.20	0
	Jan. 6, '83			0.77	0.92	0
	13			2.37	2.37	2.70
	20			4.31	4.31	1.53
	27			7.97	15.68	1.38
	Feb. 3			8.30	13.09	5.68
	10			7.35	13.85	8.28
	17			4.51	7.52	6.12
	24			4.23	6.78	1.07
	Mar. 3			4.40	8.61	11.11
	10			-	-	-
	17			7.97	15.68	2.08
	24			5.87	11.20	0
Apr. 17, '83 Cisadane						
Plumbon,	Apr. 28			0	13.79	0
Plumbon,	May 5			2.55	16.98	0
Cirebon.	12			11.33	52.55	0
	19			21.03	54.05	12.09
	26			16.21	59.16	8.33
	Jun. 2			20.94	53.99	8.14
	9			14.34	31.81	5.91
	16			4.16	15.13	0
	23			4.46	18.42	0
	Jul. 7			0.39	0.79	0
	14			-	-	-
	21			0.22	0.63	0
	28			0.23	0.69	0

( Table 67 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Jan. 18, '83 Cisadane						
Tegal Wangi,	Jan. 25, '82			0	0	0
Weru,	Feb. 1			1.13	3.17	0
Cirebon.	8			2.67	10.89	0
	15			2.73	8.42	4.55
	22			3.53	8.41	3.45
	Mar. 1			3.83	7.11	2.50
	8			6.31	17.36	2.57
	15			6.79	19.86	4.85
	22			8.31	13.09	5.11
	29			5.77	16.73	2.35
	Apr. 6			3.91	8.21	2.63
	13			5.19	9.94	0
	20			4.04	7.10	2.89
	27			5.93	9.90	0
May 23, '83 Cisadane						
Tegal Wangi,	May 31			5.85	19.09	0
Weru,	Jun. 7			6.90	21.10	8.51
Cirebon.	14			3.23	11.92	2.94
	21			4.18	8.19	9.76
	28			2.12	6.08	0
	Jul. 5			2.03	5.13	0
	12			-	-	-
	19			1.12	3.42	0
	26			1.14	2.65	0
	Aug. 2			0.74	1.54	0
	9			0.68	1.36	0
	16			0.38	0.71	0
	23			0.68	1.36	0

( Table 68 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 27, '81	IR-36			
Tegal Wangi	Jan. 5, '82			0	0	0
Weru,	12			0.35	0	50
Cirebon.	19			0.90	7.37	33.33
	26			0.78	14.41	0
	Feb. 2			0.38	16.56	0
	9			1.87	26.28	46.67
	16			3.53	20.33	1.69
	23			4.81	17.62	0
		Jan. 1982	IR-36			
	Mar. 2			13.41	39.24	0
	9			20.96	29.92	0
	16			28.24	39.41	0
	23			46.15	70.21	0
	30			62.94	70.23	0
	Apr. 6			71.23	70.05	7.64
	13			71.56	84.63	23.89
	20			74.09	83.09	21.72
		May. 11, '82	IR-36			
Tegal Wangi, May	11			0	0	0
Weru,	18			0	0	0
Cirebon.	25			0	0	0
	Jun 1			0.88	1.24	12.50
	8			0.50	0.89	31.25
	15			1.77	3.48	0
	22			0.94	1.95	0
	29			1.66	4.10	0
	Jul. 6			1.62	3.58	0
	13			1.45	2.52	0
	20			-	-	-
	27			0.96	1.23	0
	Aug. 3			1.41	1.59	0

( Table 69 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 16, '83	Cisadane			
Trusmi,	Jan. 25, '83			0	0	0
Weru,	Feb. 1			1.37	4.55	0
Cirebon.	8			5.81	26.61	6.76
	15			2.62	6.98	6.52
	22			3.10	8.01	6.78
	Mar. 1			4.10	9.51	5.68
	8			4.84	17.29	1.27
	15			6.80	21.75	6.60
	22			8.89	15.96	1.97
	29			5.98	17.80	16.28
	Apr. 6			4.00	7.43	0
	13			4.58	8.88	0
	20			5.65	10.19	0
	27			7.30	9.35	0
		May 29, '83	Cisadane			
Trusmi,	Jun. 7			6.52	19.74	17.24
Weru,	14			4.68	13.37	2.70
Cirebon.	21			3.79	13.14	6.45
	28			2.26	7.53	0
	July 5			3.22	9.09	0
	12			-	-	-
	19			1.31	2.92	0
	26			1.01	1.40	0
	Aug. 2			1.03	1.47	0
	9			0.95	2.00	0
	16			0.12	0	0
	23			0.11	0.67	0

( Table 70 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 15, '81	IR-36			
Trusmi,	Dec. 22, '81			0	0	0
Weru,	29			0	0	0
Cirebon.	Jan. 5, '82			0	0	0
	12			0	0	0
	19			0.48	4.00	20.00
	26			0.47	4.17	0
	Feb. 2			0.36	13.89	0
	9			1.78	24.71	38.71
	16			2.40	14.06	0
	23			7.20	20.60	0
		Jan. 1982	Cisadane			
Trusmi,	Mar. 2, '82			10.63	30.37	0
Weru,	9			19.94	30.10	0
Cirebon.	16			26.77	38.38	0
	23			44.71	66.56	0
	30			55.19	68.93	0
	Apr. 6			73.16	70.11	6.85
	13			60.53	73.94	23.36
	20			71.58	80.67	17.84
		May 7, '82	Ciasadane			
Trusmi,	May 18			0	0	0
Weru,	25			0	3.54	0
Cirebon.	Jun. 1			0.44	1.39	0
	8			1.21	0.92	28.57
	15			1.47	2.50	3.70
	22			1.38	3.96	3.33
	29			2.15	4.33	2.08
	July 6			1.64	3.45	0
	13			1.35	1.56	0
	20			-	-	-
	27			0.63	0.96	0
	Aug. 3			1.50	1.96	0

( Table 71 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 18, '83	Cisadane			
Setu, Weru, Cirebon.	Jan. 25, '83			0	0	0
	Feb. 1			1.70	5.74	0
	8			4.48	30.61	8.51
	15			2.63	7.19	2.38
	22			3.79	11.64	2.78
	Mar. 1			3.94	6.93	4.70
	8			5.09	21.48	3.79
	15			6.53	20.66	3.96
	22			6.25	12.00	1.02
	29			5.14	15.70	6.85
	Apr. 6			4.23	10.00	0
	13			4.66	8.29	0
	20			3.11	7.28	0
	27			2.31	8.71	0
			Jun. 3, '83	Cisadane		
Setu, Weru, Cirebon.	Jun. 14, '83			6.99	18.75	11.63
	21			4.30	14.06	9.68
	28			2.86	4.22	0
	Jul. 5			3.04	7.36	0
	12			-	-	-
	19			1.34	4.38	0
	26			1.52	3.36	0
	Aug. 2			1.25	1.53	0
	9			0.73	0.72	0
	16			0.48	0	0
23			0.39	0.75	0	

( Table 72 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
		Dec. 15, '81	IR-36				
Setu, Weru, Cirebon.	Dec. 29, '81			0	0	0	
	Jan. 6, '82			0.22	0	0	
	12			0.14	0	0	
	19			1.28	10.64	15.38	
	26			0.73	12.28	33.33	
	Feb. 2			0.33	13.11	0	
	9			2.21	21.52	40.54	
	16			3.85	23.33	0	
	23			8.50	18.98	0	
			Jan. 1982	IR-36			
Setu, Weru, Cirebon	Mar. 2			11.02	27.27	0	
	9			22.14	31.32	0	
	16			28.33	41.33	0	
	23			41.27	61.52	0	
	30			57.42	69.63	0	
	Apr. 6			71.26	82.80	6.92	
	13			73.98	82.06	18.49	
	20			72.22	80.00	22.80	
			May. 15, '82	IR-36			
	Setu, Weru, Cirebon.	May 25			0	0	0
Jun. 1				0	0	0	
8				2.63	2.52	4.17	
15				2.62	6.69	2.63	
22				1.96	6.25	3.13	
29				1.71	3.75	2.86	
Jul. 6				1.46	4.18	0	
13				1.53	2.43	0	
20				-	-	-	
27				1.46	2.41	0	
Aug. 3			1.09	1.88	0		

( Table 73 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 1983	Cisadane			
Gamel, Weru, Cirebon.	Jan. 25, '83			0	0	0
	Feb. 1			-	-	-
	8			5.31	22.43	7.94
	15			2.63	7.98	2.33
	22			3.14	8.23	1.72
	Mar. 1			3.29	7.09	2.86
	8			4.91	15.55	1.32
	15			7.65	20.73	4.35
	22			10.44	18.11	6.07
	29			5.29	14.01	2.56
	Apr. 6			4.51	9.21	1.22
	13			5.57	9.32	0
	20			4.48	7.62	0
	27			7.01	9.91	0
			May 31, '83	Cisadane		
Gamel, Weru, Cirebon.	June 7			5.93	21.87	5.00
	14			6.52	23.53	10.87
	21			4.89	11.40	7.69
	28			2.28	7.97	0
	July 5			3.55	11.92	3.13
	12			-	-	-
	19			0.99	2.72	0
	26			1.11	1.23	0
	Aug. 2			1.30	3.97	0
	9			0.83	1.31	0
	16			0.60	1.33	0
	23			0.34	0.63	0



( Table 74 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 25, '81	IR-36			
Gamel, Weru, Cirebon.	Jan. 5, '82			0	0	0
	12			0.33	0	0
	19			0.64	3.30	0
	26			0.55	11.42	0
	Feb. 2			0.41	16.67	0
	9			2.93	24.53	36.17
	16			5.23	19.05	0
	23			4.93	17.98	0
		Jan. 1982	IR-36			
Gamel, Weru, Cirebon.	Mar. 2, '82			10.35	23.01	0
	9			20.04	31.49	0
	16			25.46	39.78	0
	23			47.69	67.65	0
	30			58.52	67.61	0
	Apr. 6			70.02	69.50	6.72
	13			76.51	82.68	18.65
	20			70.96	77.20	24.33
		May 6, '82	IR-36			
Gamel, Weru, Cirebon.	May 18			0	0	0
	25			0.73	1.72	0
	June 1			0.49	1.84	33.33
	8			1.14	2.39	25.00
	15			2.32	4.40	3.64
	22			1.96	4.89	4.26
	29			1.59	4.07	2.78
	July 6			1.79	3.49	0
	13			1.38	1.90	0
	20			-	-	-
	27			0.91	1.23	0
	Aug. 3			1.35	1.81	0

( Table 75 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 18, '83	Cisadane			
Cangkring,	Jan. 25, '83			0	0	0
Weru,	Feb. 1			1.86	7.56	0
Cirebon.	8			5.27	25.42	3.92
	15			3.01	7.67	2.04
	22			3.35	9.55	1.59
	Mar. 1			3.71	6.98	0
	8			6.74	20.56	0
	15			8.65	26.38	3.94
	22			6.81	12.82	9.80
	29			5.85	17.96	9.41
	Apr. 6			4.28	7.43	0
	13			4.19	7.67	0
	20			4.05	7.92	0
	27			6.95	11.49	0
		Jun. 5, '83	Cisadane			
Cangkring,	Jun. 14			6.92	15.79	10.81
Weru,	21			3.31	9.17	0
Cirebon.	28			1.75	6.62	0
	Jul. 5			2.19	9.77	0
	12			-	-	-
	19			1.40	5.22	0
	26			0.95	2.88	0
	Aug. 2			0.88	2.79	0
	9			0.86	2.06	0
	16			0.25	0.75	0
	23			0.58	0	0

( Table 76 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Weru in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 26, '81	GH-147			
Cangkring, Weru, Cirebon.	Jan. 5, '82			0.65	0.65	0
	12			0.46	0.46	0
	19			0.93	8.33	22.22
	26			1.09	13.27	0
	Feb. 2			0.51	10.00	0
	9			2.24	32.00	27.03
	16			4.89	24.40	2.40
	23			5.97	21.57	0
		Jan. 1982	Cisadane			
	Mar. 2			11.48	26.03	0
	9			18.90	26.13	0
	16			26.48	40.00	0
	23			43.51	60.81	0
	30			68.45	86.96	0
	Apr. 6			69.91	71.26	6.62
	13			69.09	74.72	20.63
	20			71.94	77.89	21.14
		May 4, '82	IR-36			
Cangkring, Weru, Cirebon.	May 11			0	0	0
	18			0	0	0
	25			0.85	3.49	14.28
	Jun. 1			0.86	0.59	28.57
	8			1.40	2.29	17.65
	15			1.57	3.72	6.06
	22			1.02	2.18	0
	29			1.81	4.78	0
	Jul. 6			1.47	3.83	0
	13			1.44	1.53	0
	20			-	-	-
	27			1.02	1.87	0
	Aug. 3			0	0	0

( Table 77 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Dukuh in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Jan. 5, '82	IR36			
Dukuh	Jan. 13, '82			0	0	0
Kapetakan	20			1.36	7.54	28.57
Cirebon	27			0.77	6.45	60.00
	Feb. 3			0.54	26.08	0
	10			2.51	32.44	15.62
	17			5.49	22.64	0
	24			7.58	22.07	0
	March 3			11.41	23.01	0
	10			16.73	27.52	0
	17			24.74	25.80	0
	24			42.37	54.59	0
	31			55.04	66.27	2.87
	April 7			65.70	73.28	4.95
	14			74.80	79.25	21.92
	21			71.33	83.74	15.12
		May 8, '82	IR36			
Dukuh	May 19, '82			0	0	0
Kapetakan	26			0.15	4.42	0
Cirebon	June 2			0.51	0.51	0.20
	9			0.54	0.92	28.57
	16			1.12	2.85	5.00
	23			1.16	3.74	0
	30			2.06	5.46	0
	July 7			1.01	2.20	0
	14			1.84	1.84	0
	21			-	-	-
	28			0.90	0.90	0
	Aug. 4			0.55	0.55	0

( Table 78 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Dukuh in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Jan. 22. '83	Cisadane			
Dukuh	Feb. 2. '83			2.30	2.30	0
Kapetakan	9			2.77	9.09	0
Cirebon	16			4.08	24.77	3.92
	23			2.53	7.81	0
	March 2			3.79	7.67	1.29
	9			5.60	16.60	3.57
	16			5.49	15.15	8.86
	23			8.94	16.28	5.22
	30			5.60	16.60	0.20
	April 6			11.37	23.44	7.73
	13			9.39	18.46	3.40
	20			8.60	17.94	3.57
		May 22. '83	IR36			
Dukuh	June 1. '83			0	0	0
	8			1.01	3.96	0
	15			1.20	1.20	0
	22			2.33	12.84	0
	29			1.07	4.29	0
	July 13			-	-	-
	20			0.25	0.25	0
	27			0.84	0.84	0
	Aug. 3			0.77	0.77	0
	10					
	17					
	24					
	31					
	Sep. 7					

( Table 79 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kapetakan in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec.25, '81	IR-36			
Kapetakan, Cirebon.	Jan. 6, '82			0	0	0
	13			0.24	0.24	0
	20			0.92	5.55	44.44
	27			0.56	6.06	25.00
	Feb. 3			0.41	8.28	50.00
	10			1.41	16.96	38.88
	17			2.84	15.42	0
	24			6.84	24.72	0
	March 3			11.50	28.81	0
	10			16.35	27.80	0
	17			25.82	40.17	0
	24			37.60	55.07	0
	31			64.83	73.05	0
	April 7			65.21	68.56	5.71
	14			71.87	74.94	20.64
21			69.75	79.15	25.10	
		May 9, '83	IR-36			
Kapetakan, Cirebon.	May 19, '82			0	0	0
	26			0	0	0
	June 2			0.78	1.51	40.00
	9			0.50	0.50	0
	16			1.35	2.04	5.00
	23			1.68	4.02	6.66
	30			1.75	3.70	22.22
	July 7			1.35	3.65	0
	14			1.60	3.58	0
	21			-	-	-
	28			1.26	1.26	0
	Aug. 4			0.84	0.84	0

( Table 80 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kapetakan in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
Jan. 1, '83 Cisadane							
Kapetakan, Cirebon.	Feb.	2, '83		1.99	4.13	0	
		9		1.93	6.25	0	
		16		3.41	18.63	15.38	
		23		2.42	8.97	14.28	
	March	2		3.72	6.84	0	
		9		7.23	17.32	5.76	
		16		-	-	-	
		23		14.34	18.10	5.10	
	April	30		6.89	13.71	5.88	
		6		10.56	22.10	5.42	
		13		8.94	19.18	3.70	
		20		8.21	17.52	3.70	
	May 21, '83 IR-36						
	Kapetakan, Cirebon.	June	1, '83		0	0	0
8				0.47	2.88	0	
15				1.51	2.15	0	
22				3.38	12.50	0	
29				1.54	7.18	0	
July		6		1.03	3.79	0	
		13		-	-	-	
		20		0.13	0.13	0	
		27		0.89	0.89	0	
Aug.		3		0.74	0.74	0	

( Table 81 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kapetakan in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
		Dec. 27, '81	IR-36				
Kertasura, Kapetakan, Cirebon.	Jan. 6, '82			0	0	0	
	13			0.31	0.31	0	
	20			0.48	0.48	25.00	
	27			0.81	8.42	25.00	
	Feb. 3			0.42	15.62	0	
	10			1.67	17.86	20.68	
	17			4.84	23.72	0	
	24			7.98	25.06	0	
	March 3			10.29	22.07	0	
	10			20.45	32.27	0	
	17			27.50	45.53	0	
	24			44.25	61.67	0	
	31			57.78	74.41	5.40	
	April 7			61.11	74.83	4.82	
	14			71.35	76.42	19.39	
	21			71.00	79.44	16.65	
			May 8, '82	IR-36			
	Kertasura, Kapetakan, Cirebon.	May 19, '82			0	0	0
26				0.72	6.54	0	
June 2				1.06	2.48	33.33	
9				0.39	0.70	0	
16				1.65	4.09	3.44	
23				2.43	6.55	5.88	
30				2.17	4.55	10.00	
July 7				0.93	2.04	0	
14				1.90	3.05	0	
21				-	-	-	
28				0.75	0.75	0	
Aug. 4				0.71	0.71	0	



( Table 82 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kapetakan in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Jan. 23, '83 IR-36						
Kertasura, Kapetakan, Cirebon.	Feb. 2, '83			1.42	5.55	0
	9			2.08	6.66	0
	16			2.88	7.44	2.38
	23			2.38	7.94	0
	March 2			4.42	7.34	4.08
	9			6.01	19.48	15.38
	16			5.76	16.73	9.09
	23			8.30	13.09	5.68
	30			6.01	19.48	15.38
	April 6			11.39	21.93	7.60
	13			11.97	25.20	8.18
	20			7.59	17.85	6.45
	May 24, '83 IR-36					
Kertasura, Kapetakan, Cirebon.	June 1, '83			0	0	0
	8			0.55	3.09	0
	15			0.70	2.43	0
	22			1.58	4.89	0
	29			0.76	1.87	14.28
	July 6			0.47	3.62	0
	13			-	-	-
	20			0	0	0
	27			0.47	0.47	0
	Aug. 3			0.66	0.66	0

( Table 83 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Suranenggala Kidul in Cirebon, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
Dec. 27. '81 IR36						
Suranenggala Kidul, Kape-takan, Cirebon.	Jan. 6. '82			0	0	0
	13			0	0	0
	20			0.43	4.59	25.00
	27			0.81	8.57	11.11
	Feb. 3			0.34	7.80	0
	10			1.59	17.94	17.85
	17			4.06	17.97	0
	24			8.96	26.96	0
	March 3			11.39	26.05	0
	10			14.93	26.70	0
	17			26.28	42.54	0
	24			39.69	57.99	0
	31			62.72	74.03	4.09
	April 7			60.09	69.96	3.91
	14			64.27	75.23	26.98
	21			72.13	79.94	18.48
	May 11. '82 IR36					
Suranenggala Kidul, Kape-takan, Cirebon.	May 19. '82			0	0	0
	26			0	0	0
	June 2			0.63	0.63	20.00
	9			0.52	3.07	20.00
	16			1.26	2.90	0
	23			1.98	5.63	12.12
	30			1.49	4.37	6.06
	July 7			1.32	3.58	0
	14			1.61	3.00	0
	21			-	-	-
	28			1.35	1.35	0
	Aug. 4			0.56	0.56	0

( Table 84 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Suranenggala Kidul in Cirebon, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Jan. 21. '83	Cisadane			
Suranenggala Kidul, Kape-takan. Cirebon.	Feb. 2. '83			0	0	0
	9			2.23	8.08	0
	16			4.71	26.94	0
	23			2.84	7.09	7.50
	March 2			3.22	7.71	4.54
	9			5.42	14.20	11.11
	16			5.84	17.95	33.33
	23			6.81	12.82	9.80
	30			5.42	14.20	11.11
	Apr. 6			13.41	27.48	8.73
	13			10.26	27.75	4.96
	20			10.58	25.23	8.88
			May 20. '83	IR36		
Suranenggala Kidul, Kape-takan. Cirebon	June 1. '83			0	25.37	0
	8			1.13	4.00	0
	15			0.82	4.34	0
	22			2.48	6.71	0
	29			1.28	5.38	0
	July 6			0.91	5.12	0
	13			-	-	-
	20			0.25	0.25	0
	27			0.57	0.57	0
	Aug. 3			0.22	0.22	0

( Table 85 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Suranenggala lor in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				Gall	Larva + gall	
		Dec. 25. '81	IR36			
Suranenggala lor, Kapetakan, Cirebon	Jan. 6. '82			0	0	0
	13			0.29	0.29	0
	20			0.62	5.12	20.00
	27			0.56	7.76	33.33
	Feb. 3			0.36	11.18	33.33
	10			1.43	17.35	30.76
	17			3.49	16.04	0
	24			7.37	17.64	0
	March 3			9.69	19.01	0
	10			14.10	25.18	0
	17			25.80	40.44	0
	24			40.11	61.98	0
	31			54.93	68.22	3.87
	April 7			61.05	73.36	4.21
	14			69.07	74.28	21.96
	21			72.20	84.67	16.23
			May 10. '82	IR36		
Suranenggala lor, Kapetakan, Cirebon	May 19. '82			0	0	0
	26			0.62	0.62	0
	June 2			0.60	0.69	0
	9			0.71	1.58	37.50
	16			1.85	3.05	6.45
	23			1.85	4.27	4.87
	30			2.07	4.35	2.17
	July 7			1.08	3.49	0
	14			1.30	3.92	0
	21			-	-	-
	28			1.45	1.45	0
	Aug. 4			0.64	0.64	0

( Table 86 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Suranenggala lor in Cirebon, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				Gall	Larva + gall		
		Jan. 21. '83	IR36				
Suranenggala lor, Kapetakan Cirebon	Feb. 2. '83			0	4.50	0	
	9			2.05	7.65	0	
	16			3.08	9.12	0	
	23			2.44	7.39	0	
	March 3			3.50	7.24	1.36	
	9			5.60	15.51	5.81	
	16			3.01	15.70	6.84	
	23			6.24	12.00	1.08	
	30			7.09	23.10	4.58	
	April 6			13.96	25.61	6.31	
	13			9.82	18.97	2.23	
	20			8.86	21.33	2.50	
			May 20. '83	IR36			
	Suranenggala lor, Kapetakan Cirebon.	June 1. '83			0	11.66	0
8				1.44	2.58	0	
15				0.70	1.66	0	
22				2.06	7.35	0	
29				1.60	4.62	14.28	
July 6				1.29	3.82	0	
13				-	-	-	
20				0	0	0	
27				0.48	0.48	0	
Aug. 4				0.71	0.71	0	

( Table 87 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Oct. 30, '81	IR-36			
Dawuan ,	Nov. 24, '81			0.47	4.21	20.0
Kalijati,	Dec. 2, '81			0.65	0.65	14.29
Subang	9			0.87	0.87	0
	16			3.35	3.35	5.56
	23			3.64	3.64	13.56
	30			10.46	10.46	2.18
	Jan. 6, '82			5.95	5.95	3.74
	13			7.20	7.20	4.35
	20			9.34	9.34	2.19
	27			6.76	6.76	2.20
	Feb. 3			2.07	2.07	0
	10			0.83	0.83	0
		Aug. 7, '82	IR-36			
Dawuan,	Aug. 18, '82			2.75	8.57	9.09
Kalijati,	25			1.28	5.81	14.29
Subang	Sep. 1			0.39	0.39	0
	8			0.58	2.14	0
	15			1.13	1.13	7.14
	22			0.42	2.13	16.67
	29			0.12	0.12	0
	Oct. 6			0.62	0.62	0
	13			0.90	1.94	5.88
	20			1.36	1.36	3.57
	27			1.14	2.80	14.29
	Nov. 3			0.46	2.07	33.33
	10			1.36	1.36	3.57
	17			0.72	0.72	8.33
		Dec. 18, '82	Cisadane			
Dawuan ,	Dec. 29, '82			0	0	0
Kalijati,	Jan. 5, '83			0	0	0
Subang	12			0	0	0
	19			7.01	7.01	10.77
	26			7.77	7.77	16.83
	Feb. 2			-	-	-
	9			7.79	7.79	7.69
	16			8.71	11.06	8.11
	23			4.13	4.13	4.91
	Mar. 2			1.70	2.96	0
	9			1.43	4.43	13.04

( Table 88 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		June 5, '83	Cisadane			
Dawuan Kaler, Kalijati,	June 7, '83			0	0	0
	14			0	0	0
	21			0	0	0
	28			0	0	0
	July 5			-	-	-
	12			-	-	-
	19			-	-	-
	26			0.54	0.54	0
	Aug. 2			0.78	0.78	0
	9			0.78	0.78	0
	16			0.84	0.84	0

( Table 89 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 7, '83 Cisadane						
Dawuan Kaler	Nov. 23, '83			0.0	0.0	0.0
Kalijati						
Subang	30			3.01	3.01	8.69
	Dec. 7			2.70	5.26	4.55
	14			1.83	6.04	5.26
	21			1.24	1.24	0.0
	28			2.83	2.83	2.56
	Jan. 4, '84			2.71	3.10	0.0
	11			2.91	3.48	0.0
	18			2.90	3.42	2.04
	25			4.48	4.48	1.32
	Feb. 1			3.32	3.32	0.0
	8			3.16	3.16	0.0
	15			3.85	5.29	0.0
	22			1.55	1.55	0.0
	29			1.81	1.81	0.0



( Table 90 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		June 5, '83	Cisadane			
Dawuan Kidul, Kalijati, Subang.	June 7, '83			0	0	0
	14			0	0	0
	21			0	0	0
	28			0	0	0
	July 5			-	-	-
	12			-	-	-
	19			-	-	-
	26			0.27	0	0
	Aug. 2			1.00	1.00	0
	9			1.07	1.07	0
	16			0.84	0.84	0

( Table 91 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 21, '83 Cisadane						
Dawuan Kidul	Nov. 27, '83			0.0	0.0	0.0
Kalijati						
Subang	30			4.68	4.68	6.25
	Dec. 7			4.88	11.43	15.00
	14			3.70	9.09	5.26
	21			2.48	6.90	0.0
	28			6.09	6.09	0.0
	Jan. 4, '84			4.51	7.45	0.0
	11			2.64	2.64	0.0
	18			2.61	2.92	2.43
	25			3.97	3.97	1.75
	Feb. 1			3.82	3.82	0.0
	8			3.90	3.90	0.0
	15			3.83	3.83	0.0
	22			1.82	1.82	0.0
	29			1.76	1.76	0.0
	Mar. 7			1.44	1.44	0.0

( Table 92 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 18, '81	Cisadane			
Kalijati Timur,	Nov. 24			0	0	0
Kalijati,	Dec. 1			0.83	0.83	0
Subang.	9			1.81	1.81	0
	16			3.52	3.52	0
	23			2.96	2.96	16.22
	30			4.72	4.72	20.0
	Jan. 6, '82			5.01	5.01	2.04
	13			8.61	8.61	4.17
	20			5.63	5.63	0
	27			4.43	4.43	1.75
	Feb. 3			1.65	1.65	0
	10			1.54	1.54	0
	17			2.82	2.82	0
	24			5.78	5.78	1.37
	Mar. 3			3.34	3.34	0
	10			6.93	6.93	1.09
	17			7.64	7.64	0.79
	24			7.69	7.69	0
		May 30, '82	Cisadane			
Kalijati Timur,	May ?			?	?	?
Kalijati,	June ?			?	?	?
Subang.	July 7			1.31	1.31	0
	14			1.16	1.16	0
	21			-	-	-
	28			-	-	-
	Aug. 4			0.78	0.78	0
	11			1.14	3.37	11.11
	18			0.98	2.85	11.76
	25			0.81	2.01	7.69
	Sep. 1			0.81	1.88	13.33
	8			0.82	1.34	14.29
	15			0.93	1.25	11.76

( Table 93 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Oct. 29, '82	Cisadane			
Kalijati Timur,	Nov. 24, '82			0.30	0.30	0
Kalijati,	Dec. 1			0.89	0.89	8.33
Subang.	8			1.75	1.75	0
	15			2.00	2.00	15.63
	22			3.15	6.81	14.81
	29			2.57	2.57	9.80
	Jan. 5, '83			-	-	-
	12			3.67	3.67	9.09
	19			3.13	3.13	11.94
	26			4.88	4.88	8.10

( Table 94 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 19, '81	Cisadane			
Lengkong, Kalijati, Subang.	Dec. 1, '81			2.19	2.19	0
	9			2.07	2.07	0
	16			5.50	5.50	3.83
	23			4.21	4.21	11.76
	30			5.29	5.29	9.68
	Jan. 6			3.63	3.63	2.33
	13			14.39	14.39	3.50
	20			9.98	9.98	3.47
	27			7.14	7.14	0
	Feb. 3			1.79	1.79	0
	10			2.56	2.56	0
	17			3.48	3.48	0
	24			5.83	5.83	2.67
	Mar. 3			3.54	3.54	0
		Nov. 4, '82	Cisadane			
Lengkong, Kalijati, Subang.	Nov. 17			0	0	0
	24			0	0	0
	Dec. 1			0	0	0
	8			0	0	0
	15			0.51	0.51	0
	23			0.52	0.52	25.0
	30			0.37	0.37	0
	Jan. 6			-	-	-
	12			0.73	0.73	0
	19			1.35	1.35	3.57
	26			4.48	7.43	8.04
	Feb. 2			-	-	-
	9			3.46	2.34	7.14

( Table 95 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 18, '81 Cisadane						
Manyeti, Kalijati, Subang.	Nov. 25, '81			2.43	2.43	0
	Dec. 2			1.38	1.38	0
	9			0.69	0.69	0
	16			0.30	0.30	0
	23			2.18	2.18	18.52
	30			2.59	2.59	16.31
	Jan. 6			3.07	3.01	2.50
	16			5.59	5.59	2.60
	20			6.08	6.08	5.32
	27			8.13	8.13	2.80
	Feb. 3			3.55	3.55	2.22
	10			4.00	4.00	0
	17			7.35	7.35	1.00
	24			7.68	7.68	3.78
	Mar. 3			3.90	3.90	1.70
May 29, '82 Cisadane						
Manyeti, Kalijati, Subang.	July 7			1.15	1.15	0
	14			0.23	0.23	0
	21			-	-	-
	28			-	-	-
	Aug. 4			0.64	0.64	0
	11			1.23	4.23	5.88
	18			0.96	3.23	18.75
	25			1.15	3.06	10.53
	Sep. 1			1.05	1.92	10.53
	7			0.76	1.65	7.69

( Table 96 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jan. 8, '83	Cisadane			
Manyeti, Kalijati, Subang.	Jan. 19, '83			1.41	1.41	0
	26			7.86	7.86	24.44
	Feb. 2			-	-	-
	9			9.70	9.70	15.38
	16			4.69	7.04	8.33
	23			3.11	4.96	6.97
	Mar. 2			8.19	7.27	13.08
	9			5.78	9.56	7.29
	16			5.10	5.10	9.41
			May 5, '83	Cisadane		
Manyeti, Kalijati, Subang.	May 24			1.47	1.47	7.14
	31			0.49	0.49	0
	Jun. 7			1.30	3.09	6.25
	14			1.48	1.48	5.0
	21			0.98	0.98	0
	28			0.45	0.45	0
	Jul 5			-	-	-
	12			-	-	-
	19			-	-	-
	26			0	0	0

( Table 97 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 15, '83 Cisadane						
Manyeti, Kalijati, Subang.	Nov. 23, '83			0.0	0.0	0.0
	30			3.96	3.96	0.0
	Dec. 7			4.90	12.66	9.09
	14			3.51	8.91	0.0
	21			2.75	7.00	5.56
	28			11.52	11.52	3.03
	Jan. 4, '84			5.08	8.99	0.0
	11			1.96	1.96	0.0
	18			2.43	2.87	2.44
	25			3.68	3.32	1.59
	Feb. 1			3.67	3.67	0.0
	8			3.68	3.68	0.0
	15			3.73	3.73	0.0
	22			1.43	1.43	0.0
	29			1.75	1.75	0.0



( Table 98 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 4, '81	Cisadane			
Marengmang, Kalijati, Subang.	Dec. 16, '81			0	0	0
	23			0.17	0.17	0
	30			3.78	3.78	0
	Jan. 6			3.76	3.76	2.86
	13			5.72	5.72	5.66
	20			4.68	4.68	1.79
	27			5.86	5.86	0
	Feb. 3			3.87	3.87	1.75
	10			2.92	2.92	2.56
	17			5.35	5.35	1.45
	24			8.14	8.14	4.07
	Mar. 3			12.84	12.84	8.64
	10			12.0	12.0	2.14
	17			15.17	15.17	1.53
	24			13.37	13.37	0.83
			Jun. 20, '82	Cisadane		
Marengmang, Kalijati, Subang.	Jul. 7			2.13	2.13	0
	14			1.56	1.56	0
	21			-	-	-
	28			-	-	-
	Aug. 4			1.17	1.17	6.25
	11			1.51	4.46	10.71
	18			0.73	2.66	25.0
	25			0.86	1.81	16.67
	Sep. 1			0.73	2.01	16.67
	8			1.16	1.77	5.56
	15			0.78	1.62	10.0
	22			0.50	1.61	22.22
	29			0.64	1.29	9.09
	Oct. 6			0.63	0.63	0

( Table 99 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 9, '82	Cisadane			
Marengmang, Kalijati, Subang.	Nov. 24, '82			0.31	0.31	0
	Dec. 1			0	0	0
	8			0	0	0
	15			1.17	1.17	0
	23			1.15	1.15	9.09
	29			1.45	1.45	0
	Jan. 6			-	-	-
	12			1.63	1.63	6.06
	19			2.73	2.73	6.70
	26			4.59	8.97	12.63
	Feb. 2			-	-	-
	9			3.72	3.72	2.63
			May 24, '83	Cisadane		
Marengmang, Kalijati, Subang.	May 24			0.41	1.6	16.67
	31			0.61	0.61	0
	June 7			1.07	1.07	5.26
	14			0.99	0.99	0
	21			0.64	0.64	0
	28			0.51	0.51	0
	July 5			-	-	-
	12			-	-	-
	19			-	-	-
	26		Harvested			

( Table 100 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Dec. 1, '83 Cisadane						
Marengmang, Kalijati, Subang.	Dec. 7, '83			0.0	0.0	0.0
	14			2.97	11.94	0.0
	21			1.78	1.78	0.0
	28			1.66	3.17	0.0
	Jan. 4, '84			2.67	6.67	0.0
	11			2.64	4.76	0.0
	18			2.67	6.33	0.0
	25			2.26	2.26	0.0
	Feb. 1			2.09	2.09	0.0
	8			2.01	2.01	0.0
	15			3.95	3.95	0.0
	22			1.56	1.56	0.0
	29			1.89	1.89	0.0
	Mar. 7			1.70	1.70	0.0
	14			1.99	1.99	0.0
21			1.78	1.78	0.0	

( Table 101) Percentage of damaged tillers caused by the rice gall midge and parasitism at Kalijati in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May 20, '83	IR-36			
Sukasari, Kalijati, Subang.	May 24, '83			0	0	0
	31			0	0	0
	Jun. 7			0	0	0
	14			0	0	0
	21			0	0	0
	28			0	0	0
	Jul. 5			0	0	0
	12			0	0	0
	19			0	0	0
	26			0	0	0
	Aug. 2			0.07	0.07	0
	9			0.18	0.18	0
	16			0	0	0
		Dec.25, '83	Cisadane			
Sukasari,	Dec.28, '83			0	0	0
Kalijati, Subang.	Jan. 4, '84			0	0	0
	11			4.42	13.51	0
	18			3.58	8.77	4.34
	25			3.04	5.33	0
	Feb. 1			1.77	1.77	0
	8			4.48	6.20	0
	15			5.00	6.22	0
	22			3.59	3.59	0
	29			2.77	2.77	0
	Mar. 7			2.59	2.59	0
	14			1.91	1.91	0
21			1.69	1.69	0	

( Table 102 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pamanukan in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 19, '81	IR-36			
Pamanukan,	Dec. 28, '81			0	0	0
Pamanukan,	Jan. 4, '82			1.98	1.98	0
Subang.	11			1.56	1.56	0
	18			2.08	2.08	0
	25			2.57	2.57	0
	Feb. 1			5.48	5.48	0
	8			5.77	5.77	2.06
	15			7.69	7.69	0
	22			6.82	6.82	4.35
	Mar. 1			7.92	7.92	3.0
	8			7.56	7.56	3.25
	15			17.38	17.38	1.50
	22			14.26	14.26	1.29
		Apr. 24, '82	Cipunagara			
Pamanukan,	Jun. 28, '82			1.37	1.37	3.12
Pamanukan,	Jul. 5			0.96	0.96	0
Subang.	12			0.92	0.92	0
	19			-	-	-
	26			-	-	-
	Aug. 2			0.93	0.93	0
	9			1.22	4.19	18.18
		Dec. 21, '82	Cisadane			
Pamanukan,	Jan. 10, '83			0	0	0
Pamanukan,	17			1.93	1.93	20.0
Subang.	24			5.48	5.48	15.2
	31			-	-	-
	Feb. 7			7.29	7.29	19.35
	14			5.36	5.36	11.94
	21			4.37	7.40	9.09
	28			5.14	8.53	13.64
	Mar. 7			3.90	8.33	17.91
	14			3.30	3.33	11.86

( Table 103 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pamanukan in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 20, '81	Cipunagara			
Pamanukan Seberang,	Dec. 28, '81			0	0	0
Pamanukan, Subang.	Jan. 4, '82			0	0	0
	11			1.98	1.98	0
	18			4.27	4.27	0
	25			4.66	4.66	0
	Feb. 1			8.31	8.31	4.85
	8			8.25	8.25	1.82
	15			10.18	10.18	3.60
	22			8.94	8.94	3.36
	Mar. 1			7.10	7.10	2.80
	8			23.15	23.15	3.48
	15			24.29	24.29	1.78
	22			28.69	28.69	1.54
		May. 2, '82	Cisadane			
Pamanukan Seberang,	Jun. 28, '82			1.56	1.56	2.70
Pamanukan, Subang.	Jul. 5			0.64	0.64	6.67
	12			0.64	0.64	7.7
	19			-	-	-
	26			-	-	-
	Aug. 2			0.53	0.53	0
	9			0.60	2.40	0
	16			1.11	3.80	20.0
		Jan. 5, '83	Cisadane			
Pamanukan Seberang,	Jan. 17			0	0	0
Pamanukan, Subang.	24			0.64	0.64	0
	31			-	-	-
	Feb. 7			3.06	3.06	10.0
	14			3.24	6.40	7.14
	21			3.02	4.55	7.30
	28			3.28	8.89	22.0
	Mar. 7			2.13	4.94	14.7
	14			3.40	3.40	15.0

(Table 104) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pamanukan in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 30, '81 Semeru						
Rancahilir,	Dec. 7, '81			0	0	0
	14			0	0	0
Pamanukan,	21			0	0	0
Subang.	28			0	0	0
	Jan. 4, '82			2.20	2.20	0
	11			1.70	1.70	4.35
	18			3.08	3.08	0
	25			1.29	1.29	0
	Feb. 1			2.16	2.16	0
	8			3.18	3.18	0
	15			3.79	3.79	0
	22			3.42	3.42	0
	Mar. 1			3.73	3.73	0
	8			10.34	10.34	2.45
Apr. 2, '82 Cisadane						
Rancahilir,	Jun. 28, '82			0.68	0.68	0
Pamanukan,	Jul. 5			0.63	0.63	0
	12			0.80	0.80	0
Subang.	19			-	-	-
	26			-	-	-
Dec. 11, '82 Cisadane						
Rancahilir,	Dec. 20, '82			0.22	0	0
Pamanukan,	27			0.85	0.85	0
Subang.	Jan. 3, '83			1.03	1.03	0
	10			-	-	-
	17			0.90	0.90	0
	24			3.21	3.21	8.70
	31			-	-	-
	Feb. 7			4.30	4.30	14.71
	14			4.07	6.21	13.04
	21			2.78	2.78	6.0
	28			5.14	7.74	7.37
	Mar. 7			4.55	8.08	8.14
	14			2.16	2.16	7.32

( Table 105 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pamanukan in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 7, '81	IR-36			
Sukareja,	Dec. 14, '81			0	0	0
Pamanukan,	21			0	0	0
Subang.	28			0	0	0
	Jan. 4, '82			3.38	3.38	4.0
	11			4.82	4.82	6.82
	18			5.64	5.64	0
	25			1.58	1.58	0
	Feb. 1			2.81	2.81	2.5
	8			3.27	3.27	0
	15			5.38	5.38	0
	22			4.17	4.17	0
	Mar. 1			3.82	3.82	1.64
	8			7.54	7.54	0
	15			8.81	8.81	0
	22			8.07	8.07	0.83
		Apr. 22, '82	GH-104			
Sukareja,	Jun. 28, '82			0.84	0.84	0
Pamanukan,	Jul. 5			0.76	0.76	0
Subang.	12			0.54	0.54	0
	19			-	-	-
	26			-	-	-
	Aug. 2			0.47	0.47	0
	9			0.89	3.08	14.29
		Jan. 5, '83	Cisadane			
Sukareja,	Jan. 17, '83			0	0	0
Pamanukan,	24			0	0	0
Subang.	31			-	-	-
	Feb. 7			5.71	5.71	8.11
	14			4.01	6.56	8.89
	21			2.57	5.10	10.0
	28			4.70	8.45	15.38
	Mar. 7			4.13	8.16	21.43
	14			3.18	3.18	12.73



( Table 106 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pamanukan in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 12, '81	IR-36			
Sukasari,	Dec. 21, '81			0	0	0
Pamanukan,	28			0	0	0
Subang.	Jan. 4, '82			0	0	0
	11			2.02	2.02	0
	25			3.05	3.05	0
	Feb. 1			4.57	4.57	0
	8			7.15	7.15	0.93
	15			7.68	7.68	1.77
	22			5.96	5.96	3.61
	Mar. 1			7.54	7.54	6.56
	8			20.15	20.15	1.02
	15			37.92	37.92	1.70
	22			36.53	36.53	1.67
		Apr. 24, '82	Cisadane			
Sukasari,	Jun. 28, '82			1.56	1.56	2.70
Pamanukan,	Jul. 5			0.65	0.65	6.67
Subang.	12			0.64	0.64	7.69
	19			-	-	-
	26			-	-	-
	Aug. 2			0.53	0.53	0
	9			0.60	2.41	0
	16			1.11	3.82	20.0
		Jan. 6, '83	Cisadane			
Sukasari,	Jan. 17, '83			0	0	0
Pamanukan,	24			0	0	0
Subang.	31			-	-	-
	Feb. 7			4.65	4.65	9.68
	14			3.80	5.88	12.24
	21			4.60	6.71	5.33
	28			5.45	12.46	10.99
	Mar. 7			5.08	7.92	9.30
	14			4.70	4.70	8.54

( Table 107.) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 11, '81	Cisadane			
Gembor	Dec. 3, '81			0.81	0.81	20.0
Pagaden	10			0	0	0
Subang.	17			0	0	0
	24			0	0	0
	31			2.74	2.74	14.29
	Jan. 7, '82			3.15	3.15	0
	14			4.71	4.71	0
	21			6.14	6.14	2.5
	28			4.24	4.24	0
	Feb. 4			1.61	1.61	0
	11			5.91	5.91	0
	18			9.41	9.41	2.30
	25			5.61	5.61	2.53
		Jan. 9, '83	Cisadane			
Gembor	Jan. 20, '83			0	0	0
Pagaden	27			2.78	2.78	12.5
Subang.	Feb. 3			-	-	-
	10			7.58	9.48	19.61
	17			4.64	8.84	13.16
	24			8.39	13.22	5.0
	Mar. 3			6.23	8.25	11.94
	10			5.83	7.76	8.83
	17			4.76	4.76	9.84
		May 17, '83	Cisadane			
Gembor	May 26, '83			0	0	0
Pagaden	June 2			0	0	0
Subang	9			1.68	4.29	6.25
	16			1.74	1.74	0
	23			0.74	0.74	0
	30			0.51	0.51	0
	Jul. 7			-	-	-
	14			-	-	-
	21			-	-	-
	28			0.87	0.87	0
	Aug. 4			2.14	3.68	10.0
	11			1.67	3.68	7.69
	18			1.47	1.60	13.64

( Table 108 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Dec. 7, '83 Cisadane						
Gembor, Pagaden, Subang.	Dec. 12, '83			0.0	0.0	0.0
	19			2.96	2.96	0.0
	27			1.80	1.80	0.0
	jan. 3			0.38	0.0	0.0
	10			0.84	2.75	0.0
	17			0.91	1.53	0.0
	23			1.35	1.35	0.0
	31			2.66	2.66	0.0
	Feb. 7			3.18	3.18	0.0
	14			3.43	3.43	0.0
	21			3.97	3.97	0.0
	28			4.85	4.85	0.0
	Mar. 5			6.41	6.41	0.0

( Table 109 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
		Apr. 29, '82	IR-36				
Gunung Sembung. Pagaden. Subang.	Jul. 8, '82			1.74	1.74	0	
	15			1.46	1.46	0	
	22			-	-	-	
	29			-	-	-	
	Aug. 5			1.09	1.09	0	
	12			1.05	3.32	15.79	
			Jan. 18, '83	IR-36			
	Gunung Sembung. Pagaden. Subang.	Jan. 27, '83			0	0	0
Feb. 3				-	-	-	
10				9.64	9.64	8.33	
17				7.04	10.27	9.09	
24				5.93	7.76	3.33	
Mar. 3				7.26	7.26	9.70	
10				4.67	8.70	14.13	
17				6.57	8.50	7.69	
		May 15, '83	IR-36				
Gunung Sembung. Pagaden. Subang.	May 26			2.31	2.31	0	
	Jun. 2			0	0	0	
	9			0.61	0.61	0	
	16			1.39	1.39	0	
	23			1.28	1.28	0	
	30			1.31	1.31	0	
	Jul. 7			-	-	-	
	14			-	-	-	
	21			-	-	-	
	28			0	0	0	
	Aug. 4			0.62	1.73	44.44	
	11			1.18	3.11	0	
18			1.05	1.05	0		

( Table 110 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 5, '83 Cisadane				
Gunung Sembung, Pagaden, Subang.	Dec. 13, '83			0.0	0.0	0.0
	20			0.0	0.0	0.0
	27			0.0	0.0	0.0
	Jan. 3, '84			0.0	0.0	0.0
	10			0.65	0.65	0.0
	23			1.18	1.18	0.0
	31			2.24	2.24	0.0
	Feb. 7			2.18	2.18	0.0
	14			1.91	1.91	0.0
	21			1.54	1.54	0.0
	28			1.45	1.45	0.0
	Mar. 6			1.75	1.71	0.0

( Table 111 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May 7, '83				
Gambar Sari	May 26, '83			0	0	0
Pagaden	Jun. 2			0	0	0
Subang.	9			0.31	1.88	8.33
	16			0.64	0.64	0
	23			0.68	0.68	0
	30			0.68	0.68	-
	Jul. 7			-	-	-
	14			-	-	-
	21			-	-	-
	28			0	0	0
	Aug. 4			4.12	5.93	14.75
	11			3.21	3.79	6.12
	18			0.87	0.87	0
		Dec. 1, '83	Cisadane			
Gambar sari	Dec. 13, '83			0	0	0
Pagaden	20			1.95	1.95	0
	27			2.09	2.09	5.00
	Jan. 3			1.26	2.68	21.00
	10			3.02	4.31	5.12
	17			2.61	4.53	5.00
	24			2.30	2.30	0
	31			2.86	2.86	0
	Feb. 7			2.58	2.58	0
	14			2.12	2.12	0
	21			2.12	2.12	0
	28			2.01	2.01	0

( Table 112 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
May 16, '83 IR-36							
Kamarung Pagaden Subang.	May	26, '83		0	0	0	
	Jun.	2		0	0	0	
		9		0	0	0	
		16		0	0	0	
		23		0	0	0	
		30		0	0	0	
	Jul.	7		-	-	-	
		14		-	-	-	
		21		-	-	-	
		28		0	0	0	
	Aug.	4		1.31	3.97	10.53	
		11		0.52	0.52	0	
		18		0.33	0.33	0	
	Dec. 8, '83 Cisadane						
	Kamarung	Dec.	13, '83		0	0	0
Pagaden		20		0	0	0	
Subang		27		0	0	0	
	Jan.	3, '84		0	0	0	
		10		0.08	0.08	0	
		17		0	0	0	
		24		2.20	2.20	3.12	
		31		2.24	2.24	0	
	Feb.	7		3.86	3.86	0	
		14		3.26	3.26	0	
		21		3.20	3.20	0	
		28		4.19	4.19	0	
	Mar.	6		4.80	4.80	0	

( Table 113) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Cheking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 1, '81	Cisadane			
Munjul	Dec. 3, '81			2.64	2.64	0
Pagaden	10			0.78	0.78	0
Subang.	17			0.57	0.57	20.0
	24			0	0	0
	31			3.27	3.27	6.82
	Jan. 7, '82			2.71	2.71	2.58
	14			2.59	2.59	0
	21			3.78	3.78	3.64
	28			2.27	2.27	0
	Feb. 4			0.53	0.53	0
	11			0.69	0.69	0
		May 5, '83	Cisadane			
Pagaden,	May 26, '83			0	0	0
Pagaden,	Jun. 2			0	0	0
Subang.	9			0.59	0.59	0
	16			0.92	0.92	0
	23			0.82	0.82	0
	30			0.63	0.63	0
	Jul. 7			-	-	-
	14			-	-	-
	21			-	-	-
	28			0	0	0
	Aug. 4			2.70	3.40	13.16
	11			2.51	3.07	8.10
	18			-	-	-



( Table 114 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Dec. 12, '83 Cisadane						
Pagaden,	Dec. 13, '83			0.0	0.0	0.0
Pagaden,	20			0.0	0.0	0.0
Subang.	27			0.0	0.0	0.0
	Jan. 3, '84			0.0	0.0	0.0
	10			3.29	4.36	6.06
	17			2.30	4.18	5.71
	24			3.41	3.41	4.08
	31			2.61	2.61	0.0
	Feb. 7			2.72	2.72	0.0
	14			1.70	1.70	0.0
	21			2.13	2.13	0.0
	28			1.67	1.67	0.0
	Mar. 6			1.31	1.31	0.0

( Table 115 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 1, '81	IR-36			
Simpar, Pagaden, Subang.	Dec. 3, '81			0	0	0
	10			0	0	0
	17			0	0	0
	24			0	0	0
	31			1.78	1.78	7.41
	Jan. 7, '82			2.18	2.18	0
	14			1.83	1.83	0
	21			3.03	3.03	3.57
	28			2.91	2.91	0
	Feb. 4			0.88	0.88	0
	11			0.81	0.81	0
		Dec. 16, '82	Cisadane			
Simpar, Pagaden, Subang.	Dec. 30, '82			0.21	0.21	0
	Jan. 6, '83			-	-	-
	13			0	0	0
	20			0.48	0.48	0
	27			1.44	1.44	9.52
	Feb. 3			-	-	-
	10			4.0	4.0	9.52
	17			3.81	5.28	6.67
	24			3.07	5.52	11.32

( Table 116 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
		Nov. 5, '81	IR-36				
Sumur Ginting, Pagaden, Subang.	Dec. 3, '81			0.14	0.14	0	
	10			0	0	0	
	17			0	0	0	
	24			0	0	0	
	31			0.12	0.12	0	
	Jan. 7, '83			1.40	1.40	0	
	14			1.19	1.19	0	
	21			1.17	1.17	0	
	28			0.82	0.82	0	
	Feb. 4			0.61	0.61	0	
	11			0.55	0.55	0	
			Dec. 27, '82	IR-36			
	Sumur Ginting, Pagedan, Subang.	Jan. 13, '83			0	0	0
20				0	0	0	
27				2.07	2.07	22.73	
Feb. 3				-	-	-	
10				4.89	7.51	10.17	
17				2.67	4.95	4.88	
24				3.38	6.17	0	
Mar. 3				2.17	3.99	10.0	
10				2.05	3.37	11.11	

( Table 117) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pagaden in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)	
				gall	larva + gall		
Tanjung, Pagaden, Subang.		Nov. 21, '81	IR-36				
	Dec. 3, '81			0	0	0	
	10			0	0	0	
	17			0	0	0	
	24			0	0	0	
	31			0.94	0.94	0	
	Jan. 7, '82			2.60	2.60	5.40	
	14			3.38	3.38	0	
	21			3.94	3.94	2.08	
	28			3.27	3.27	0	
	Feb. 4			0.92	0.92	0	
	11			1.31	1.31	0	
			Jan. 3, '83	GH-104			
	Tanjung, Pagaden, Subang.	Jan. 20, '83			0	0	0
27				1.72	1.72	0	
Feb. 3				-	-	-	
10				3.12	3.12	18.18	
17				2.53	3.14	8.33	
24				1.52	3.59	15.38	
Mar. 3				1.62	1.62	0	
10				1.37	2.65	0	
17				3.42	6.60	9.52.	

( Table 118 ) Percentage of damaged tillers caused by  
the rice gall midge and parasitism at  
Belendung in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jun. 5, '83	GH-104			
Belendung, Subang, Subang.	Jun. 6, '83			0.0	0.0	0.0
	13			0.0	0.0	0.0
	20			0.0	0.0	0.0
	27			0.0	0.0	0.0
	Jul. 4, '83					
	11					
	18					
	25			0.0	0.0	0.0
	Aug. 1, '83			1.80	3.86	5.88
	8			1.11	3.09	5.88
	15			1.32	3.08	20.0

( Table 119 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Belendung in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 7, '83	Cisedane			
Belendung,	Dec. 12,	'83		0.0	0.0	0.0
Subang,	19			0.0	0.0	0.0
Subang.	26			0.0	0.0	0.0
	Jan. 2,	'84		0.0	0.0	0.0
	9			0.44	0.44	0.0
	16			0.54	0.54	0.0
	23			5.50	7.11	3.85
	30			5.48	5.48	1.13
	Feb. 6			4.73	4.73	1.12
	13			4.37	4.37	1.35
	20			13.22	13.22	1.27
	27			6.64	6.64	0.0
	Mar 5			6.24	6.24	0.0
	12			5.50	5.50	0.0

( Table 120) Percentage of damaged tillers caused by the rice gall midge and parasitism at Cidahu in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May. 26, '83	Local			
Cidahu,	May. 30, '83			0.0	0.0	0.0
Subang,						
Subang.	Jun. 6, '83			1.57	1.57	0.0
	13			1.48	1.48	0.0
	20			0.93	0.93	0.00
	27			-	-	-
	Jul. 4, '83			-	-	-
	11			-	-	-
	18			-	-	-
	25			0.31	0.31	0.0
	Aug. 1, '83			1.13	1.12	5.56
	8			0.40	0.40	0.0
	15			0.26	1.15	0.0

( Table 121 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Cidahu in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%) gall larva + gall	Parasitism (%)
Dec. 10, '83 Cisedane					
Cidahu,	Dec. 19, '83			0.0	0.0
Subang,					
Subang.	26			0.0	0.0
	Jan. 2, '84			0.0	0.0
	9			1.39	2.58
	16			0.69	0.69
	23			0.91	0.91
	30			1.27	1.27
	Feb. 6			1.42	1.42
	13			1.54	1.54
	20			17.59	22.18
	27			18.77	19.42
	Mar. 5			10.98	10.98
	12			11.07	11.07
	19			12.35	12.35



( Table 122 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Karang Anyar in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Dec. 10, '83	Cisedane			
Karang Anyar, Subang,	Dec. 19, '83			0.0	0.0	0.0
Subang.	26			0.0	0.0	0.0
	Jan. 2, '84			0.0	0.0	0.0
	9			0.45	0.45	0.0
	16			0.57	0.57	0.0
	23			0.71	0.71	10.0
	30			3.86	4.59	3.45
	Feb. 6			3.34	3.34	0.0
	13			3.39	3.39	1.96
	20			3.49	3.49	1.89
	27			5.38	5.38	1.16
	Mar. 5			10.68	10.68	0.57
	12			7.44	7.44	0.0
	19			6.75	6.75	0.93

( Table 123)

Percentage of damaged tillers caused by  
the rice gall midge and parasitism at  
Karang Anyar in Subang, West Java.

locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism ( % )
				gall	larva + gall	
Karang Anyar, Subang, Subang.	Jun. 20, '83			0.0	0.0	0.0
	27			0.0	0.0	0.0
	JUL. 25			0.0	0.0	0.0
	Aug. 1, '83			0.0	0.0	0.0
	8			0.0	0.0	0.0
	15			0.0	0.0	0.0

(Table 124) Percentage of damaged tillers caused by the rice gall midge and parasitism at Soklas in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Soklas, Subang, Subang.	Jun. 6, '83			0.0	0.0	0.0
	13			0.0	0.0	0.0
	20			0.0	0.0	0.0
	27			0.0	0.0	0.0
	JUL. 25			0.47	0.47	0.0
	Aug. 1, '83			1.17	1.50	0.0
	8			0.92	1.90	0.0
	15			0.67	1.98	0.0

( Table 125 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Soklas in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Dec. 5, '83 Cisedane						
Soklas,	Dec. 12 '83			0.0	0.0	0.0
Subang,						
Subang.	19			0.0	0.0	0.0
	26			1.31	1.31	0.0
	Jan. 2 '84			0.36	0.36	0.0
	9			1.50	2.49	0.0
	16			1.20	1.20	0.0
	23			0.92	0.92	7.60
	30			1.75	1.75	0.0
	Feb. 6			1.52	1.52	0.0
	13			1.72	1.72	0.0
	20			8.74	11.03	0.71
	27			13.56	13.56	1.27
	Mar. 5			19.23	19.23	2.21
	12			20.12	20.12	2.97

( Table 126 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Sukamelang in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jun. 4, '83	Cisadane			
Sukamelang, Subang, Subang.	Jun. 6, '83			0.0	0.0	0.0
	13			0.0	0.0	0.0
	20			0.0	0.0	0.0
	27			0.0	0.0	0.0
	JUL. 25			0.0	0.0	0.0
	Aug. 1, '83			1.90	2.74	3.57
	8			1.74	3.06	11.54
	15			0.79	1.92	8.33

( Table 127 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Sukamelang in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Dec. 7, '83 Cisadane						
Sukamelang,	Dec. 12 '83			0.0	0.0	0.0
Subang,						
Subang.	19			0.0	0.0	0.0
	26			0.0	0.0	0.0
	Jan. 2			0.0	0.0	0.0
	9			0.80	0.80	0.0
	16			1.40	3.39	10.50
	23			6.34	8.30	9.17
	30			10.61	7.32	2.79
	Feb. 6			8.77	8.77	0.60
	13			6.63	6.63	3.75
	20			7.96	7.96	0.75
	27			10.86	10.68	0.58
	Mar. 5			9.32	9.32	1.30
	12			6.00	6.00	2.15

( Table 128 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pabuaran in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 29, '81	IR-36			
Pabuaran	Nov. 24, '81			0	0	0
Subang	Dec. 1, '81			0	0	0
	8			0	0	0
	15			0	0	0
	22			0	0	0
	29			0	0	0
	Jan. 5, '82			0.48	0.48	0
	12			0.66	0.66	0
	19			1.10	1.10	0
	26			1.99	1.99	2.7
	Feb. 2			0.68	0.68	0
	9			0.83	0.83	0
		Nov. 25, '82	Cisadane			
Pabuaran	Dec. 7, '82			0	0	0
Subang	14			0	0	0
	21			1.49	7.19	28.57
	28			0	0	0
	Jan. 4, '83			-	-	-
	11			0.79	0.79	0
	18			3.09	3.09	15.51
	25			4.61	4.61	13.68
	Feb. 1			-	-	-
	8			4.88	5.68	3.0
	15			4.46	4.86	10.0
	22			4.04	6.29	9.88

( Table 129) Percentage of damaged tillers caused by the rice gall midge and parasitism at Paburuan in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 10, '81 Semeru						
Pringkasap	Nov. 24, '81			0	0	0
Paburuan	Dec. 1			0	0	0
Subang.	8			0.66	0.66	0
	15			0.47	0.47	14.29
	22			0.16	0.16	33.33
	29			0	0	0
	Jan. 5, '82			2.58	2.58	6.82
	16			2.09	2.09	2.44
	19			2.49	2.49	2.0
	26			3.41	3.41	1.72
	Feb. 2			0.13	0.13	0
	9			1.73	1.73	0
Nov. 28, '82 Cisadane						
Pringkasap	Dec. 7, '82			0	0	0
Paburuan	14			3.77	3.77	20.0
Subang	21			3.71	5.06	10.0
	28			1.96	3.73	10.53
	Jan. 4, '83			-	-	-
	11			3.67	3.67	13.95
	18			3.37	3.37	22.95
	25			4.34	4.34	16.09
	Feb. 1			-	-	-
	8			4.03	4.03	15.85
	15			2.66	4.72	7.69
	22			2.87	4.19	3.77



( Table 130) Percentage of damaged tillers caused by the rice gall midge and parasitism at Paburuan in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 13, '81 Cisadane						
Rancabango	Dec. 1, '81			0	0	0
Paburuan	8			0	0	0
Subang	15			0.18	0.18	0
	22			0	0	0
	29			0	0	0
	Jan. 5, '82			2.41	2.41	3.13
	12			0	0	0
	19			0.23	0.23	0
	26			0.86	0.86	0
	Feb. 2			0.36	0.36	0
	9			2.68	2.68	0
	16			4.07	4.07	0
Mar.	23			5.23	5.23	2.7
	2			4.07	4.07	1.56
	9			11.53	11.53	1.0
	16			15.85	15.85	0
Dec. 15, '82 Cisadane						
Rancabango	Dec. 29, '82			0.21	0.21	0
Paburuan	Jan. 5, '83			-	-	-
Subang	11			0.14	0.14	0
	18			2.0	2.0	8.33
	25			5.22	5.22	14.10
	Feb. 1			-	-	-
	8			5.15	6.87	17.86
	15			2.25	5.14	7.89
	22			2.26	3.44	7.32
	Mar. 1			0.83	0.83	0
	8			1.21	1.21	13.64
	15			1.0	1.0	5.56

( Table 131) Percentage of damaged tillers caused by the rice gall midge and parasitism at Paburuan in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 24, '81	IR-36			
Sihuman	Dec. 1, '81			0	0	0
Paburuan	8			0	0	0
Subang.	15			0	0	0
	22			0	0	0
	29			0	0	0
	Jan. 5, '82			0	0	0
	12			0.54	0.54	0
	19			1.34	1.34	0
	26			2.56	2.56	0
Feb. 2			0.72	0.72	0	
	9			0.75	0.75	0
		Dec. 1, '81	?			
Mar. '82						
	9			43.98	43.98	1.51
	16			40.45	40.45	1.03
		Jan. 13, '83	IR-36			
Sihuman	Jan. 25, '83			0	0	0
Paburuan	Feb. 1			-	-	-
Subang	8			6.58	6.58	9.67
	15			10.49	13.60	10.13
	22			12.35	12.35	7.45
	Mar. 1			2.16	2.16	13.04
	8			2.23	2.23	19.23
	15			1.95	1.95	8.00

( Table 132 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pabuaran in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Nov. 8, '81	IR-36			
Tanjungrasa	Nov. 24, '81			0	0	0
Paburuan	Dec. 1			0	0	0
Subang.	8			0	0	0
	15			0	0	0
	22			0	0	0
	29			0	0	0
	Jan. 5, '82			0	0	0
	12			0.04	0.04	0
	19			0.54	0.54	0
	26			0.82	0.82	0
	Feb. 2			1.09	1.09	0
	9			0.84	0.84	6.67
		Nov. 19, '82	IR-36			
Tanjungrasa	Dec. 7			0	0	0
Paburuan	14			1.0	1.0	12.5
Subang.	21			2.08	8.86	25.0
	28			1.61	1.61	15.79
	Jan. 4, '83			-	-	-
	11			2.10	2.10	13.33
	18			1.82	1.82	8.57
	25			3.28	3.28	13.85
	Feb. 1			-	-	-
	8			3.61	3.61	8.22
	15			2.70	2.70	1.89
	22			2.59	4.57	12.77

(Table 133) Percentage of damaged tillers caused by the rice gall midge and parasitism at Panyungkiran in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May. 20, '83	Cisadane			
Panyungkiran,	May. 25, '83			0.0	0.0	0.0
Purwadadi,						
Subang.	Jun. 1, '83			0.0	0.0	0.0
		9		0.0	0.0	0.0
		16		0.0	0.0	0.0
		23		0.0	0.0	0.0
		30		0.0	0.0	0.0
	Aug. 4, '83			1.67	1.67	0.0
		11		1.02	1.02	0.0
		18		1.14	1.14	0.0

(Table 134) Percentage of damaged tillers caused by the rice gall midge and parasitism at Pasir Bungur in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May. 19, '83	Cisadane			
Pasir Bungur	May. 25, '83			0.0	0.0	0.0
Purwadadi, Subang.	Jun. 1, '83			0.0	0.0	0.0
	9			0.0	0.0	0.0
	16			0.0	0.0	0.0
	23			0.0	0.0	0.0
	30			0.0	0.0	0.0
				0.0	0.0	0.0
	Aug. 4, '83			1.21	1.21	0.0
	11			0.88	0.88	0.0
	18			0.95	0.95	0.0

(Table 135) Percentage of damaged tillers caused by the rice gall midge and parasitism at Purwadadi Barat in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May. 2, '83	IR-36			
Purwadadi-Barat,	May. 25, '83			0.0	0.0	0.0
Purwadadi, Subang.	Jun. 1, '83			0.0	0.0	0.0
	9			0.54	0.54	0.0
	16			0.95	0.95	7.1
	23			0.64	0.64	0.0
	30			0.46	0.46	0.0

(Table 136)

Percentage of damaged tillers caused by  
the rice gall midge and parasitism at  
Purwadadi Timur in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		May 2, '83	IR-36			
Purwadadi-Timur,	May 25, '83			0.0	0.0	0.0
Purwadadi,						
Subang.	Jun. 1, '83			0.0	0.0	0.0
	9			0.0	0.0	0.0
	16			0.0	0.0	0.0
	23			0.40	0.40	0.0
	30			0.0	0.0	0.0

( Table 137 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Wanakerta in Subang, West Java.

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
		Jun. 6, '83	Krueng-Aceng.			
Wanakerta, Purwadadi, Subang.	Jun. 9, '83			7.46	13.85	6.70
	16			6.90	6.90	3.70
	23			4.97	4.97	2.70
	30			2.81	2.81	0.0
	28			1.40	1.40	14.2
	Aug. 4, '83			1.33	1.33	21.05
	11			1.23	1.23	0.0
	18			0.68	0.68	0.0



( Table 138 ) Percentage of damaged tillers caused by the rice gall midge and parasitism at Sagalaherang Kaler in Subang, West Java

Locality	Checking date	Planting date	Rice variety	Damaged tillers (%)		Parasitism (%)
				gall	larva + gall	
Nov. 8, '83 Cisadane						
Sagalaherang	Dec. 8, '83			3.10	3.10	5.0
Kaler,						
Sagalaherang,	15			3.83	9.67	4.55
	22			1.51	4.22	0.0
	29			1.34	3.11	0.0
	Jan. 5, '84			1.23	1.23	0.0
	12			1.46	1.46	0.0
	19			1.55	2.14	0.0
	26			1.02	1.02	0.0
	Feb. 2			1.13	1.13	0.0
	9			1.08	1.08	0.0
	16			3.19	3.19	0.0
	23			1.70	1.70	0.0
	Mar. 1			1.48	1.48	0.0