

GOVERNMENT OF MALAYSIA

**FEASIBILITY STUDY
ON
RATIONALIZATION AND
CROP DIVERSIFICATION
IN
NON-GRANARY IRRIGATED AREAS
IN MALAYSIA**

Volume 5-9

State Report - Pahang

October 1990

JAPAN INTERNATIONAL COOPERATION AGENCY

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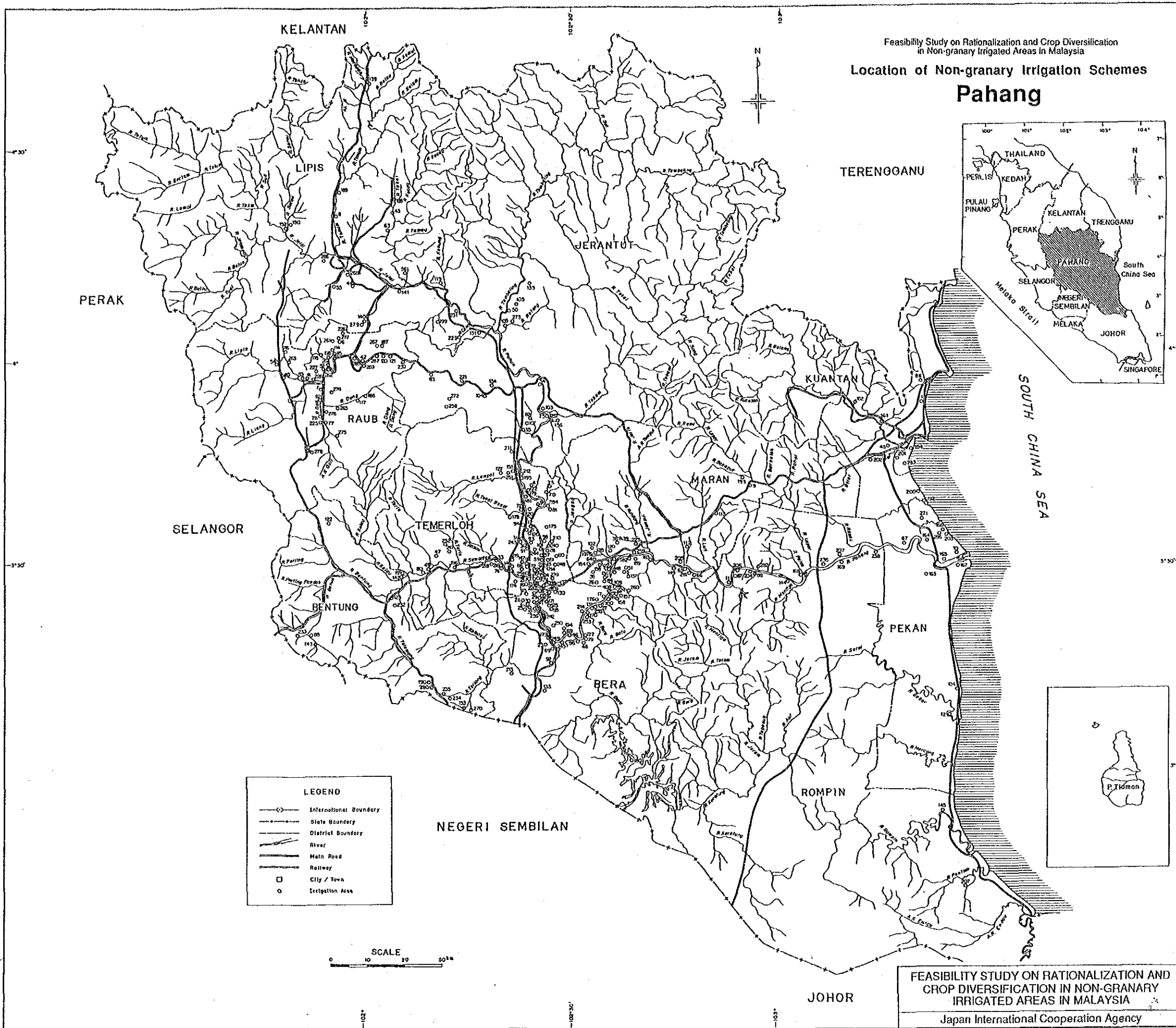
*Feasibility Study on Rationalization and Crop Diversification
in Non-granary Irrigated Areas in Malaysia*

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Location of Non-granary Irrigation Schemes Pahang



LEGEND

- International Boundary
- State Boundary
- District Boundary
- River
- Main Road
- Railway
- City / Town
- Irrigation Area

SCALE
0 10 20 30 km

FEASIBILITY STUDY ON RATIONALIZATION AND
CROP DIVERSIFICATION IN NON-GRANARY
IRRIGATED AREAS IN MALAYSIA
Japan International Cooperation Agency

*Feasibility Study on Rationalization and Crop Diversification
in Non-granary Irrigated Areas in Malaysia*

Volume 5-9

State Report - Pahang

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RESULTS OF EVALUATION FOR CROP DIVERSIFICATION POTENTIAL

1. INTRODUCTION

This is the State Report - Pahang, Volume 5-9, of the Final Report for Feasibility Study on Rationalization and Crop Diversification in Non-granary Irrigated Areas in Malaysia. This report includes the criteria, procedure and results of evaluation of crop diversification potential of non-granary irrigation schemes in the State of Pahang.

Detailed information on the criteria and procedure for evaluation is presented in Volume 2 of the Final Report, and the results of evaluation of crop diversification potential for each scheme are given in the Appendix attached to this Volume.

2. GENERAL CONDITIONS

2.1 Socio-economic Situation

Pahang is the largest state in Peninsular Malaysia. It is bounded on the north by Terengganu and Kelantan, on the west by Perak, on the southwest by Selangor and Negeri Sembilan, on the south by Johor and on the east by the South China Sea. The total area is 35,965 km² and it is divided into 10 administrative districts. The estimated population was 1,002,300 persons in 1985 and 1,152,100 persons in 1988. The population density was 32 person/km². Rural population ratio showed no change in the level of 74% for 1985 and 1988. The proportion of population by ethnic group in 1987 was 69% for Bumiputera, 24% for Chinese, 7% for Indian and negligible small for others.

In Pahang, GDP in 1988 attained to M\$3,411 million of which 43% was originated from the agriculture sector. Per capita GDP increased from M\$2,839 in 1986 to M\$2,932 in 1988. These were lower to some extent compared with the average per capita GDP of the country being M\$3,551 in 1986 and M\$3,858 in 1988. According to the Household Income Surveys, there were 30,000 poor households accounting for 15.7% of the total households of 191,100 in 1984. As the number of poor households reduced to 23,800 in 1987, the incidence of poverty was also improved to 12.3% of the total of 193,500 households. The mean monthly income in 1987 declined by M\$60 from M\$960 in 1984. It was also below the average of Peninsular Malaysia of M\$1,095 in 1984 and M\$1,074 in 1987.

The coverage of social infrastructure services in 1985 was 49.5% by electricity, 95.0% by urban piped water supply and 65.0% by rural piped water supply. The total length of road network was 4,470 km with the density of 120 m/km² and per capita length of 4,450 m every 1,000 population. The number of registered motor vehicles was 216 per 1,000 population. There were 2.2 doctors and 1.7 acute care hospital beds per 1,000 population. Every health center served its

medical care to 13,700 rural people. The infant mortality rate was 1.9 per 1,000 population.

Under the revised 5MP, development expenditure of M\$3,449 million was allocated by the Federal Government and NFPEs with the share of 11.0% of the total to all the States. The main government agencies, federal and state, involved in developing the State are the Pahang State Development Corporation (PSDC), the Tengka Regional Development Authority, the Pahang Tenggara Development Authority (DARA), the Kuantan Port Authority, the Fraser's Hill Development Corporation, the Pahang Agricultural Development Corporation, the Amanah Saham Pahang Berhad (ASPA) and the Pahang Investment and Industrial Company Ltd. Among these, PSDC is the State Government's principal agency in developing the economic activities of Pahang. In the project area of DARA, there are 465,500 ha suitable for agricultural development. Legally, DARA is entrusted to promote, facilitate and coordinate development in Pahang Tenggara. Oil palm is the main crop. In addition, crop diversification programmes are under promotion focussing upon fruit cultivation, market gardening, sheep and cattle rearing and aquaculture. The Pahang Agricultural Development Corporation is responsible for spearheading the development of agriculture and related industries in the State. Presently, rubber estates of 23,257 ha and oil palm estates of 18,723 ha are under the Corporation's management. Also, foreign investors are encouraged to involve in the canning of fruits and fruits juices, processing and manufacturing of animal feed stuffs from corn, soybean, fodder, grass pellets and secondary processing of natural rubber products.

2.2 Present Agriculture

In the Pahang, around 475,000 ha of land are used for agricultural purposes and the proportion to the State's territory is 13%. A larger part of agricultural land is grown with tree crops amounting to 422,000 ha. The area under paddy is 24,800 ha as a whole. During the last 10 years, the main plantation crop has been drastically converted

from rubber to oil palm. At present, the planted area of oil palm is 366,600 ha, while that of rubber is 40,000 ha. The cocoa cultivation is also under promotion and its current coverage is 10,400 ha. Another 5,170 ha are under coconut. A total of 24,640 ha is grown with 117 miscellaneous crops, of which banana covers 6,340 ha followed by durian of 3,840 ha, highland tea of 2,690 ha and rambutan of 2,620 ha. The State produced paddy of 11,200 tons, oil palm of 4.64 million tons as FFB, rubber of 207,600 tons and dry cocoa beans of 3,800 tons in 1987.

The FAMA's projected demand of food crops, vegetables, fruits and freshwater fishes is as follows.

Produce	Net Consumption (ton)	Outflow to Other States (ton)	Post-harvest Loss (ton)	Total Demand (ton)
Food crops	3,034	2	759	3,795
Vegetables	81,364	856	20,555	102,775
(Leafy)	(28,030)	(94)	(7,031)	(35,155)
(Fruit)	(34,792)	(757)	(8,887)	(44,436)
(Root)	(10,875)	(2)	(2,719)	(13,596)
(Other)	(7,667)	(3)	(1,918)	(9,588)
Fruits	44,752	2,835	11,897	59,484
Freshwater fishes	446	0	112	558

The local supply quantities projected by FAMA are 1,557 tons for food crops, 37,685 tons for vegetables, 13,466 tons for fruits and 46 tons for freshwater fishes. The State has a largest proceeding center of vegetables, especially cabbage and tomato, in Cameron Highland. These two vegetables are supplied to Kuala Lumpur and other consuming areas. The projected market potential is summarized below.

Produce	Market Potential (ton)	Major Crops (ton)
Food crops	2,238	Sweet potato (2,338)
Vegetables	65,090	
(Leafy)	(15,730)	Chinese kale (10,741), Spinach (4,539)
(Fruit)	(26,178)	Cucumber (8,862), Chilli (6,196)
(Root)	(13,594)	Carrot (8,105)
(Other)	(9,588)	Garlic (4,503)
Fruits	46,018	Banana (10,197), Watermelon (6,193)
Freshwater fishes	512	Tilapia (183)

2.3 Present Situation of Non-granary Irrigation Schemes

In Pahang, around 475,000 ha of land or 13% of the State's territory is used for agricultural purposes. The area under paddy is 17,990 ha as a whole. A larger part of agricultural land is grown with tree crops amounting to 422,000 ha. Of these the planted area of oil palm is 366,000 ha, while that of rubber is 40,000 ha. The cocoa cultivation is also under promotion and its current coverage is 10,400 ha. Another 5,170 ha are under coconut. A total of 24,640 ha is grown with 117 miscellaneous crops, of which banana covers 6,340 ha followed by durian of 3,840 ha, highland tea of 2,690 ha and rambutan of 2,620 ha. There exist irrigable paddy fields of 17,430 ha fully demarcated as non-granary irrigated areas.

- Number of schemes : 290
- Irrigable area :
 - main season = 17,430 ha
 - off season = 4,503 ha
- Type of schemes :
 - gravity; 78 pump; 17
 - gravity/pump; 4
 - gravity/controlled drainage; 1
 - inundation; 186
 - pump/inundation; 2
 - converted; 1 no record; 1

- Irrigation water resources availability by scheme (except converted and no record schemes)
 - : - sufficient for double cropping; 106
 - insufficient for off season presaturation; 32
 - limited to only single cropping; 130
 - insufficient for main season cropping; 12
- Average cropping intensity (paddy + upland crops) for previous three years
 - : - main season = 10%
 - off season = 4%
- Average cropping intensity (paddy only) for previous three years
 - : - main season = 9%
 - off season = 3%
- Utilization of scheme :
 - main season paddy cropping intensity of 100%; 1
 - main season paddy cropping intensity of more than 50%; 20
 - main season paddy cropping intensity of less than 50%; 65
 - fully idle; 195
 - fully converted; 1

The existing irrigation system in Pahang is featured by inundation schemes which are distributed along the upper and middle reaches of the Pahang river. Gravity and pump irrigation systems are common in the northwestern part of the State where irrigation schemes are located in flood free areas.

In the northwestern part, the occurrence of idle paddy fields is unexpected because most farmers intend to earn cash incomes by working in oil palm and rubber estates instead of growing paddy in their fields. In other parts of the State, such tendency of lacking willingness to intensive farming is common and therefore crop diversification is under promotion in very limited areas where local opinion leaders with powerful leadership are available.

The inundation schemes have continuously been suffering from poor drainage, small size of plot difficult for introducing farm mechanization, and low yield and productivity due to limited selection of varieties suitable for the circumstance. Accordingly, few farmers intend to improve their farming practices. Without provision of river improvement works on a large scale, it is hardly to promote crop diversification in inundation scheme areas characterized by the above mentioned conditions.

3. EVALUATION OF CROP DIVERSIFICATION POTENTIAL FOR NON-GRANARY IRRIGATION SCHEMES

This section presents a general concept, criteria and procedure of evaluation in order to facilitate understanding of the results of the evaluation of potential for crop diversification by scheme attached in Appendix of this volume. A detailed explanation of the evaluation is given in Volume 2.

3.1 Basic Considerations for Evaluation

The intended shift from paddy cultivation to diversified crops in non-granary irrigated areas would invariably require investigations on a range of issues such as the selection of the appropriate crops based on agronomic and economic factors, institutional support systems, and additional investments for providing new or upgrading of facilities. Since the areas concerned are both extensive and widespread, it is only proper that a coordinated study be carried out in order to evaluate the prevailing scheme conditions and to prepare crop diversification strategies including the selection of the suitable crops.

To prepare crop diversification options for revitalization of the non-granary irrigation schemes with a wide range of constraints, the potential for crop diversification in each scheme area has to be evaluated and then indicated as the crop diversification patterns. Such procedure is to be defined as evaluation of resource potential for crop diversification. Its outcome will provide indications of the crop diversification patterns being a basis for formulating development plans and programs.

For non-paddy crops, irrigation has recently become an important input for crop production in Malaysia like irrigation for paddy. In order to accommodate crop diversification in the existing rice-based irrigation systems, special considerations are required for

the differences between paddy and non-paddy crops as well as paddy farmers behavior in addition to basic parameters such as soil-plant-water relations, water resources, climate, geographic, economic and social.

3.1.1 Differences between paddy and non-paddy crop

Paddy is very tolerant to fully saturated or flooded conditions, which is the main reason for it being planted in flood prone areas with heavy soils and poor drainage conditions. Non-paddy crops on the other hand need non-saturated and well aerated soils for healthy growth. Therefore poorly drained areas as found in most of the schemes can seriously affect growth and yields of non-paddy crops.

Sensitivity to water stress varies between their growth stages and also crop types. Cultural practices and production systems can be vastly different between types and varieties and the produce also tend to be more perishable than paddy.

These basic differences need some general criteria for the system design to be established. Irrigation for paddy is designed for continuous supply and drainage adequate for excess surface flow. Whereas for non-paddy, supply is intermittent since demand depends on available soil water storage and evapotranspiration rate. Besides irrigation, water is also required for fertilizer and pesticide application for non-paddy crops. Its drainage design will need to consider both surface and subsurface flows.

3.1.2 Paddy farmers' behavior

Paddy areas have a very long history of mono-cropping, and traditions and culture have evolved around paddy. Most paddy farmers are usually experienced and knowledgeable only in paddy production. Thus, diversification will require changes to deep-rooted life styles, values and technology of paddy farmers. On the other hand,

diversification will also require appropriate adjustments on its part to match with their behavior.

In this connection, a Socio-economic Sample Survey was performed in all non-granary irrigation scheme areas to identify paddy farmers' intentions and local community opinion leaders' view towards crop diversification. The results of the Socio-economic Sample Survey are presented in Appendix B for farmers' intentions and Appendix C for the leaders' opinions.

3.1.3 Determination of categories

In deciding options for crop diversification, it is apparent that there exists various possibilities for diversifying land utilization such as double cropping of paddy, combination of the main season paddy with short-term crops in the off-season, mix-farming, perennial tree crop cultivation, freshwater aquaculture, and cattle grazing ground. Any one of these taken singly or in combination with any other option can be a category. Taking into consideration the purpose of the evaluation under the Study, the following eight categories are to be made:

- Category 1 : Schemes to be converted to high value crop cultivation under irrigated condition,
- Category 2 : Schemes to be converted to tree crop cultivation;
- Category 3 : Schemes to introduce two-cropping system planting paddy during the main season and short-term annual crops during the off-season;
- Category 4 : Schemes to be converted to animal feeding crop cultivation or cattle raising fields;
- Category 5 : Schemes to be converted to freshwater fish culture ponds;
- Category 6 : Schemes to be positively maintained as mini-granary areas;
- Category 7 : Schemes to be maintained as paddy cultivation areas within a definite period of time for social welfare purposes and thereafter to be further categorized; and
- Category 8 : Schemes to be converted to housing/industrial and other uses.

3.2 Criteria for Evaluation

3.2.1 General

Inevitably, crop diversification involves the question of which crop or crops to be recommended based on a variety of factors. In the process to evaluate potential for crop diversification, each non-granary irrigation scheme is subjected to a screening process on a variety of factors. For this purpose, seven main factors are taken into account.

- Water resources availability,
- Farmers' intention towards continuation of paddy cultivation and introduction of crop diversification,
- Land suitability for carrying out direct seeding and mechanized plowing and harvesting for growing paddy,
- Soil and climatic suitability and limitations for the cultivation of specific crops,
- Crop profitability,
- Crop marketability, and
- Investment performance with regard to crop diversification.

3.2.2 Water resources availability

The evaluation of water resources in quantitative and qualitative terms is based on the information collected during the Scheme Inventory Survey. Reconfirmation of water resources availability is carried out through supplementary investigations on rainfall data, catchment characteristics, river discharges, reference on the existing hydrological procedures, and previous study reports on the availability of water resources on a specific catchment. The criteria for evaluating water availability of each non-granary irrigation scheme is expressed in the following four terms:

- A. Irrigation water is sufficient for double cropping of paddy;
- B. Sufficient for supplying irrigation water to the main season paddy cultivation but insufficient for meeting presaturation water requirement for the off season paddy cultivation;
- C. Limited to single cropping of the main season paddy and upland crop cultivation; and
- D. Insufficient for paddy cultivation but no limitation to grow upland crops for the main season.

The detailed information on water resources evaluation for the various non-irrigation schemes is compiled in Appendix A of Volume 2.

3.2.3 Farmers' intention towards continuation of paddy cultivation and introduction of crop diversification

This factor is important as the success of the crop diversification program is depended on farmers' willingness to participate and also their attitude and preference to move towards a more diversified cropping pattern. To evaluate this factor, the Socio-economic Sample Survey results are referred to in respect to paddy farmers' intention towards continuation of paddy cultivation and introduction of crop diversification.

The evaluation criteria established are based on the proportion of respondent farmers who strongly intend to continue the present paddy cultivation pattern among the total sample farmers and that of paddy planted area for the last three years (1985-1987) against the irrigable area of each scheme. The evaluation method is to identify the State in which more than half of the respondent farmers show intentions towards continuation of paddy cultivation and to screen out the scheme with paddy cropping intensity of more than 50%.

- Schemes possible for promoting double cropping of paddy in case that the proportion of intended farmers against the total samples in each State is over 50%. Also, possible for promoting double cropping of paddy if the scheme-by-scheme planted area for the last three years is more than 50% every year in case of the State with the above proportion of less than 50%.

- Schemes impossible for promoting intensive paddy cultivation when the above proportion on the State basis is less than 50% and the cropping intensity is below 50%.

3.2.4 Land suitability for mechanized farming practices

This factor is optionally evaluated to clarify suitability of undertaking modern farming practices of paddy cultivation in case of schemes where intensive double cropping of paddy can be promoted. To evaluate this factor, special attention is paid to soil physical characteristics, size of scheme, availability of mechanical service centers and distance between schemes and available service sources. The evaluation criteria is established taking into account soil physical characteristics among others as below.

- Schemes suitable for mechanized farming practices are expressed in terms of the existence of alluvial soils.
- Schemes not suitable for mechanized farming practices are indicated by inappropriate soil physical conditions derived from peat soils and organic mac soils which are featured by low bearing capacity for using tractors and harvesters commonly used in Malaysia.

The detailed information is presented in Appendix D of Volume 2.

3.2.5 Soil and agro-climatic suitability and limitations for the cultivation of specific diversified crop

These factors are the basis to identify crops suitable for each scheme from the agronomic viewpoints. In identifying suitable crops, soil criteria for optimum crop growth is prepared for the following 28 crop groups referring to documents such as "Soil-Crop Suitability Classification for Peninsular Malaysia" prepared by the Department of Agriculture (DOA), "The Land Capability Classification" collected from DOA, Sabah and "Sarawak Land Capability Classification and Evaluation for Agricultural Crops" issued by DOA, Sarawak.

Short-term food crops:

maize, sorghum, wet paddy and upland rice as food crops, and ginger, groundnut and vegetables as vegetable crops,

Fruits:

mango/durian, guava, banana, cashewnut, papaya, citrus, pineapple and watermelon,

Perennial industrial crops:

coconut, oil palm, cocoa, rubber, sago palm, coffee, tea, clove, tobacco, sugarcane and pepper,

Feeding crops:

fodder grasses and pasture.

As the basic information to evaluate soil suitability and limitations, soil services that distribute in each scheme are identified referring to the available reconnaissance soil maps and those limitations to growth of each of 28 crops are evaluated on the basis of the soil criteria. The evaluated limitations are expressed in the form of soil suitability classed with a symbol indicating the specific limitation such as acid sulphate layer, depth to compacted layer, drainage, nutrient imbalance, organic horizon, salinity, and texture and structure. The followings are the grade of limitations to crop growth.

- Class 1 soils with no limitation or only minor limitations to crop growth are suitable for the widest range of crops.
- Class 2 soils with moderate limitations to crops growth are suitable for a narrower range of crops than Class 1 soils. Minor management practices according to limitations are required.
- Class 3 soils with one serious limitation to crop growth are restricted to an even narrower range of crops. Necessary management practices involve moderate expenses.
- Class 4 soils with more than one serious limitation to crop growth are suitable for a very narrow range of crops with provision of major amelioration measures.
- Class 5 soils with at least one very serious limitation to crop growth are least suitable for crop growth.

Through the identification and grading of limitations to crop growth for soil series which is identified in each non-granary irrigation scheme, soil suitability of 28 crops is classified into four groups such as suitable, marginally suitable, very marginally suitable and not suitable for promoting crop diversification.

The correlation between suitability grades and soil classes as follows:

Suitable:

Class 1 soils,

Marginally suitable:

Class 2 soils and partly Class soils of which limitations can be physically improved,

Very marginally suitable:

Class 3 soils with limitations of which limitations can be hardly graded up by direct physical measurements, and

Not suitable:

Classes 4 and 5 soils.

After evaluating soil suitability in the above procedure, identified crops with suitable to very marginally suitable grades are to be succeedingly confirmed from the agro-climatic viewpoint. For this purpose, two basic references are utilized, being "Agro-ecological regions in Peninsular Malaysia" and "Climatic and Agricultural Planning in Peninsular Malaysia" both prepared by the Malaysian Agricultural Research and Development Institute (MARDI). Among the identified crops, those which are not suited to regional climatic conditions in the specific scheme are eliminated from a list of suitable crops identified on the basis of soil conditions.

The detailed information is presented in Appendix D of Volume 2.

3.2.6 Crop profitability

To confirm the net income difference between paddy cultivation and other diversified crops, crop budget is computed based on average crop yield under normal farming practices, production cost and selling price. For this, "Guideline on Economic Viability of Selected Crops" prepared by the Ministry of Agriculture (MOA) is used as the basic reference. This includes crop budget data on 25 food crops and vegetables, 14 fruits and one industrial crop. With regard to other industrial crops, data on crop budgets are supplemented from MOA, DOA and agencies concerned. All the information is presented in Appendix E of Volume 2. The evaluation criteria is set up as below.

- Crop suitable for promoting diversified cropping are more profitable as compared with net income derived from the single cropping of paddy.
- Crops not suitable for incorporating in diversified cropping are less profitable in comparison with the net income obtained from the single cropping of paddy.

3.2.7 Crop marketability

This factor is also very important when crop diversification is promoted in specific areas, because most paddy farmers are aware that success of diversified cropping especially for short-term upland crops demand largely on availability of markets where they can expect to sell their produce at profitable price levels.

In terms of export-oriented perennial crops, the respective responsible agencies provide smallholder farmers with easy access to the existing marketing channel actively maintained. As for short-term upland crops, the Federal Agricultural Marketing Authority (FAMA) is responsible for promotion of marketing activities to encourage growers. Every year, FAMA gives a guideline for market potential in each State for about 30 varieties of vegetables and cash crops, 20 varieties of fruits and 15 kinds of freshwater fishes and livestock products. The data on market potential is compiled in Annex F of

Volume 2. By referring to this guideline, the crop marketability is evaluated in terms of quantified market potential on the administrative district-by-district bases. The evaluation criteria is set up as below.

- Crops suitable for promoting crop diversification have less marketable volume as compared with the demand of a specific administrative district where one particular scheme is located major market situated nearby or easily accessed from the scheme.
- Crops not suitable for promoting crop diversification have marketable quantity exceeding over more than twice of the demand in the specific administration district.

3.2.8 Investment performance with regard to crop diversification

This factor is evaluated for the purpose of judging the priority among categories and crops of which suitability to promote crop diversification are both identified. The evaluation procedure is based on economic viability indicated by net present value and benefit-cost ratio.

3.3 Procedure of Evaluation

3.3.1 General procedure

The potential of crop diversification for each non-granary irrigation scheme is evaluated category by category based on the following seven stepwise procedure as illustrated in Fig. 1.

- Step 1 : Evaluation water resources availability,
- Step 2 : Evaluation of farmers' intention towards continuation of paddy cultivation and introduction of crop diversification,
- Step 3 : Evaluation of land suitability for carrying out direct seeding and mechanized plowing and harvesting in growing paddy,

- Step 4 : Evaluation of soil and climatic suitability and limitations for the cultivation of specific crops,
- Step 5 : Evaluation of crop profitability,
- Step 6 : Evaluation of crop marketability, and
- Step 7 : Evaluation of investment performance with regard to crop diversification.

The flow chart of evaluation procedure is illustrated in Fig. 2. In general, evaluation of factors in each Category starts from Step 1 and ends Step 7 for the respective schemes. As Step 3 is the optional gate to evaluate land suitability for conducting mechanized paddy cultivation practices, all Categories other than Category 6 jumps evaluation in Step 3. Before entering Step 1, the following two items are preliminarily checked to understand the present condition on how a scheme is utilized by beneficially farmers:

- Type of irrigation water intake facilities, and
- Planted area for the last three years.

3.3.2 Evaluation procedure for Category 1

In Step 1, one scheme has potential for promoting intensive short-term upland crop cultivation under irrigated condition if available water resources are enough for double cropping of paddy and short during the presaturation period of the off season. Upland crops can be grown maximum twice a year under irrigated condition in case that available water resources can meet irrigation water demand only for the main season paddy. Irrigated cropping of upland crops are limited to the main season if available water resources are insufficient for paddy cultivation. Therefore, each scheme can pass Step 1 with the exceptions of control drainage and inundation schemes.

In Step 2, schemes are evaluated as possible for promoting crop diversification and then go to Step 4. To provide information on technical and economical choice of upland crops if requested, other schemes also move down to Step 4 additionally.

In Step 4 after skipping Step 3, suitable upland crops are firstly identified through soil-crop-suitability assessment. Further, suitable varieties of upland crops are selected among the above crops identified paying special attention agro-climatic condition in lowland areas. If there is an identified and selected crop, schemes enter into the next step.

In Step 5, net income data of the selected crops are compared with that earned from single cropping of paddy. In case of higher net income expected, schemes shift to the next step.

In Step 6, marketability of upland crops confirmed its profitability are evaluated through comparison with the local demand in the District where schemes are located and in the local marketing centers. Usually, mono-cropping of the specific upland crop is very risky from the viewpoints of crop management and marketing. In this connection, crop production is estimated based on such assumed figures as the national average yield and the maximum planted area equivalent to 50% of the scheme's irrigable area for each of profitable crops.

In Step 7, economic viability is evaluated in terms of benefit-cost ratio and net present value. For this, benefit and cost are estimated on the basis of the assumption as below. The result is used for determining the priority among marketable upland crops and in comparison with other categories.

- Cost and benefit are estimated on the unit area basis,
- Cost required for upgrading drainage and access conditions is assumed to be M\$8,000/ha and time required for constructing these on-farm service facilities is one year, and
- Benefit born before diversification depends on single cropping of paddy and after diversification comes from marketable upland crops in the same planted area of paddy. Crop budget figures refer to those used in evaluating crop profitability. Buildup period to reach the target yields of upland crops is also assumed to be five years.

3.3.3 Evaluation procedure for Category 2

In Step 1, consideration is given only to improve drainage and farm access conditions for evaluating potential for converting paddy fields to perennial crop fields. Thus, all the schemes except control drainage and inundation types go to the next step.

In Step 2, the same procedure taken for Category 1 is applied and therefore schemes jump Step 3 and enter to Step 4.

In Step 4, suitability of fruit and industrial tree crops is assessed from the viewpoint of soil-crop suitability relationship. Then, identified tree crops as suitable are evaluated on the basis of agro-climatic condition of each scheme. When a tree crop is identified and selected, schemes shift to the next step.

In Step 5, annualized net income is calculated according to the economic life of a tree crop and then compared with net income gained from single cropping of paddy. If the annualized income is higher, schemes enter into the next step.

In Step 6, profitable tree crops are evaluated to confirm those marketability as compared with local demand on the administrative district basis firstly and in major markets secondly. Crop production amount is equal to the annualized yield used for estimate of crop profitability.

In Step 7, the same procedure as taken for Category 1 is applied. Cost required for upgrading drainage and farm access conditions is assumed to be M\$4,000/ha for scheme of which soils have marginally drainage limitation to crop growth and M\$8,000/ha for the case of very marginally drainage limitation.

3.3.4 Evaluation procedure for Category 3

In Step 1, schemes with sufficient water resources for the main season paddy cultivation are identified as possible schemes where two cropping system can be promoted. While, schemes with water shortage problems during the main season are deleted from further evaluation in Step 2 and onward.

In Step 2, schemes that are evaluated as possible for promoting crop diversification and intensive double cropping of paddy go to Step 4. In case of schemes with no possibility of improving the present paddy cultivation pattern, further evaluation in Step 4 and onward is made to get information on suitable crops with those profitability and marketability as reference data.

In Step 4 after skipping Step 3, short-term upland crops suitable for the off season cultivation are identified resulting from assessment of soil-crop-suitability. Then, crop selection is made after confirming crop adaptability to agro-ecological situation in each scheme. If there is identified and selected crop, schemes move to the next step.

In Step 5, net income of the main season paddy is estimated taking into account increase in average unit yield from 2.25 ton/ha to 3.5 ton/ha through improvement of farming practices. The off season upland crops have the same yield level of Category 1.

In Step 6, evaluation of marketability is made for the off season upland crops by applying the similar method to Category 1.

In Step 7, additional investment requirement is assumed to be M\$4,000/ha. Benefit estimate and economic viability confirmation are made following the same procedure employed for Category 7.

3.3.5 Evaluation procedure for Category 4

In Step 1, no attention is paid to availability of water resources so that all the schemes can pass this step.

In Steps 2 and 3, no evaluation of these two factors is made as possibility of introducing this Category is examined from the technical and economical viewpoints.

In Step 4, soils with excessively drained feature are evaluated as possible for converting paddy fields to animal grazing land. In case of growing animal feeding crops, those suitability is assessed from the soil-crop-suitability assessment. When both results indicate as suitable for conversion of paddy fields for the livestock purpose, schemes go to the next step.

In Step 5, profitability is evaluated focussing upon the contribution of both grazing and feeding practices to livestock outputs. For this purpose, the average annual income is estimated based on beef production value obtained from unit yield of animal feeding crops. If the profit is higher than that derived from single cropping of paddy, schemes enter into the next step.

In Step 6 and , marketability is evaluated with the same procedure of Category 1.

In Step 7, additional investment cost is assumed to be M\$500/ha for the use of paddy fields to rear animals and M\$4,000/ha for growing animal feeding crops. Benefit is estimated referring to the result of profit evaluation.

3.3.6 Evaluation procedure for Category 5

In Step 1, special attention is paid to availability of sufficient water resources to meet daily freshwater requirement. If the available water resources are enough to grow paddy twice a year, schemes enter into the next step. For the case of control drainage schemes located along the coast in Sarawak, intake of brackish water is evaluated according to topographic condition.

In Steps 2 and 3, all the schemes with sufficient water resources skip these two steps with the same reason of Category 4.

In Step 4, soils with heavy texture are prerequisite to convert paddy fields to fish ponds. From the agro-climatic viewpoints, schemes with no effect of flooding are recognized as possible for promoting freshwater fish pond culture. Schemes that can pass these two checking points move to the next step. In case of brackish water fish culture, flooding or excess inundation problem is only assessed.

In Step 5, profitability is evaluated on the basis of annualized net income earned from carp, freshwater shrimp and brackish water prawn cultures by in excavated fish pond with modern practices. If higher profit is expected as compared with single cropping of paddy, schemes shift to the next step.

In Step 6, the evaluation procedure of marketability is the same as Category 1.

In Step 7, required cost for excavating fish pond is assumed to be M\$10,000/ha. Benefit is estimated by referring to the profitability evaluation results.

3.3.7 Evaluation procedure for Category 6

In Step 1, supply of irrigation water for the off season is the most important key factor for this category. Schemes pass this step if available water resources can meet the normal irrigation water demand for the off season paddy.

In Step 2, schemes evaluated as possible for promoting double cropping of paddy enter into the next step.

In Step 3, land suitability for performing mechanized farming practices is evaluated. Schemes identified as suitable pass this step and go to the next step.

In Step 4, soil and agro-climatic suitabilities are reconfirmed and schemes with no limitation shift to the next step.

In Step 5, assumption is made in terms of increase in unit yield of paddy from 2.25 ton/ha to 3.5 ton/ha per one season. Schemes pass this step.

In Step 7 after skipping Step 6, cost is assumed to be M\$4,000/ha to improve on farm-service facilities matching with undertaking of mechanized farming practices. Benefit estimate is made referring the results of profitability evaluation.

3.3.8 Evaluation procedure for Category 7

Evaluation of potential for the Category 7 is to be made in case that a scheme is presently used for the paddy cultivation purpose and no potential use for the Categories 1 to 6 is identified.

In Step 1, schemes with available water resources for the main season paddy cultivation goes to the next step.

In Step 2, schemes shift the next step if identified as impossible for promoting crop diversification from the social viewpoint.

In Step 4 after skipping Step 3, soil limitations to growth of paddy are reconfirmed. If schemes have poorly drained soils caused by frequent flooding and stagnant water problems, these are deleted from further evaluation. In this connection, inundation and controlled drainage schemes can be taken into consideration only for the case that more than half of the irrigable area is grown with paddy for the last three years. All the schemes that pass this step are identified as Category 7 without further evaluation of factors in Step 5 and onward.

3.3.9 Evaluation procedure for Category 8

If no crop diversification potential is found through evaluation for the Categories 1 to 7, the following factors are to be evaluated. These are water availability and soil limitation to crop growth. Schemes with no available water resources and unsuitable soils for crop growth are defined as Category 8.

4. RESULTS OF EVALUATION

The evaluation results of crop diversification potential are adjusted to agro-climatic factors, regional market demand for diversified crops and investment performance. The State of Pahang is divided into seven agro-ecological zones, Regions 16 and 18 to 23. As described in Appendix D of Volume 2, each Region has different advantages in growing perennial lowland crops. Taking into consideration this regional climatic suitability, recommendable crops are selected as shown in Table 1 and some of crops judged as suitable in each step of the potential evaluation are deleted.

Regarding the Category 6, adjustment is made on the basis of such conditions as scheme size of more than 100 ha and main season paddy planted area covering more than the half of irrigable area in each scheme.

An additional evaluation procedure of crop diversification potential for inundation scheme is set up as shown in Fig. 3 in order to identify possibility of promoting off season upland crop cultivation.

If marketable quantities of specific crops produced in one non-granary irrigated area is over the demand within an administrative district, possibility of marketing to large consumption centers, Penang and Kuala Lumpur, is examined by comparing surplus of marketable quantities with the regional market demand.

As a result of above process, the crop diversification potential is adjusted to the present situation category by category for each scheme. Table 2 shows the summary of crop diversification potential evaluation. The process of evaluation is attached to this Volume 5 as Appendix in a form of scheme-by-scheme description sheet.

With respect to 189 inundation schemes, off season upland cropping can be introduced into 34 schemes and paddy cultivation

needs to be temporarily retained in nine schemes. While, 146 schemes have no potential for the agricultural use as shown in Table 2.

Out of 101 schemes with a type of either gravity or pump, 43 schemes have the highest potential for the Category 1 and another 45 schemes for the Category 2. There are 13 schemes with the first priority for other Categories including the Category 6 for two schemes, the Category 7 for nine schemes and the Category 8 for two schemes.

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Tables & Figures

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (1/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH001	Ampang		NA(I)
PH002	Paya Angut		NA(I)
PH003	Ara, Kerdau		NA(I)
PH004	Angut Ulu, Jenderak		NA(I)
PH005	Alur Lintah		NA(I)
PH006	Atok I and II	SP	RB, DM*
PH007	Ajai	VG, GG*	PR, CN, DM*, PL*
PH008	Aur Gading	SP	DM, RB
PH009	Bungor	VG	
PH010	Paya Beruas		NA(I)
PH011	Belimbing	VG(I)	
PH012	Beluru	VG, GG*	PR, CN, DM*, PL*
PH013	Bintang	VG(I), SP(I), GG(I)*	
PH014	Bintang Hulu		NA(I)
PH015	Besar Tualang	VG(I), GG(I)*	
PH016	Busut Jin		NA(I)
PH017	Batu Bor	VG(I), GG(I)*	
PH018	Bangau Parit		NA(I)
PH019	Berhala Kapas		NA(I)
PH020	Biut, Jenderak	VG(I)	
PH021	Paya Besar, Lipat Kajang		NA(I)
PH022	Banir		NA(I)
PH023	Besar Mengkarak		NA(I)
PH024	Bangau		NA(I)
PH025	Besar Lebak		NA(I)

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (2/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH026	Paya Batu	SP(I)	
PH027	Besar Bohor		NA(I)
PH028	Badok	VG(I), GG(I)*	
PH029	Baroh		NA(I)
PH030	Kg. Belungu		NA(I)
PH031	Bakoh, Kerdau	SP(I)	
PH032	Beringin		NA(I)
PH033	Batu Hampar		NA(I)
PH034	Bctong	SP(I)	
PH035	Bkt. Dinding		NA(I)
PH036	Belimbing		NA(I)
PH037	Batu Gajah		NA(I)
PH038	Bharu Lama	VG	
PH039	Paya Bharu Stg. 1	VG	
PH040	Batu Talam	VG, GG*	PR, CN, DM*, PL*
PH041	Bukit Gambut	VG, GG*	PR, DM, CN, PL
PH042	Paya Budu		DM, RB
PH043	Bandar		DM, RB
PH044	Bapong		DM, RB
PH045	Paya Besar		RB, DM*
PH046	Cik Ali	SP(I)	
PH047	Chempaka		NA(I)
PH048	Cendor		NA(I)
PH049	Chukang Paku		NA(I)
PH050	Chebong		NA(I)

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (3/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH051	Caruk Murun		NA(I)
PH052	Chenua	VG, GG*	PR, CN, DM*, PL*
PH053	Cherlang		RB, DM*
PH054	Chin		DM, RB
PH055	Chemato		DM, RB
PH056	Cherba	VG, GG*	DM, PL, CN, CR*
PH057	Darat Sanggang	VG(I), SP(I), GG(I)*	
PH058	Darat Sir Kuala/Ulu	VG(I)	
PH059	Dehilir	VG(I), GG(I), SP(I)	
PH060	Dedalu	VG(I), GG(I)	
PH061	Paya Dalam		NA(I)
PH062	Paya Dong/Durian Sebatang	SP, VG*, GG*	PR, CN, DM*, PL*
PH063	Dusun	VG, SP, GG*	DM, CN, CR
PH064	Embun	VG(I)	
PH065	Gunting		NA(I)
PH066	Gemayah		NA(I)
PH067	Ganchong	DP, VG*	
PH068	Gantok		NA(I)
PH069	Guai dan Merbau	VG(I), SP(I)	
PH070	Gunong, Jenderak		NA(I)
PH071	Gertak Keladan		NA(I)
PH072	Gajah Mati, Jenderak		NA(I)
PH073	Geduai, Jenderak		NA(I)
PH074	Gajah Mati		NA(I)
PH075	Paya Gintong/Sokti	VG, SP	

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (4/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH076	Gumai		NA(I)
PH077	Gali Tengah	SP	RB, DM*
PH078	Hilir	VG, SP, GG*	PR, CN, DM*, PL*
PH079	Iman Sulong	SP(I)	
PH080	Jerangan	VG	
PH081	Jaapan Keladi, Jenderak		NA(I)
PH082	Jerangsang		NA(I)
PH083	Joor		DM, RB
PH084	Jelutung	VG(I)	
PH085	Janda Baik Hilir		DM, RB
PH85B	Ulu Cheringging		DM, RB
PH85C	Chemperoh	VG, GG*	PR, DM, PL, CR
PH85D	Cheringging		DM, RB
PH086	Kubang Karah	VG, SP, GG*	DM, CN, SC, CR*
PH087	Kampong Melayu		NA(I)
PH088	Kinchir		NA(I)
PH089	Kilang		NA(I)
PH090	Kenalau		NA(I)
PH091	Ketam, Kerdau	VG(I)	
PH092	Kerayong		NA(I)
PH093	Ketapi, Kerdau		NA(I)
PH094	Kelibang, Kerdau		NA(I)
PH095	Kuin		NA(I)
PH096	Kuala Triang		NA(I)
PH097	Kepong		NA(I)
PH098	Keladan		NA(I)
PH099	Kundang	SP(I)	
PH100	Karai		NA(I)

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (5/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH101	Kubu		NA(I)
PH102	Kenalan Kecil		NA(I)
PH103	Kangsar	SP	RB, DM*
PH104	Kampung Baharu		DM, RB
PH105	Kekura		NA(I)
PH106	Kuala Retang		NA(I)
PH107	Kool		NA(I)
PH108	Kening		NA(I)
PH109	Mertau	VG, SP	
PH110	Krot	VG(I)	
PH111	Kening Seberang		NA(I)
PH112	Kemap	VG, SP	
PH113	Kertam	SP, VG*	
PH114	Kuala Merang		RB, DM*
PH115	Kuala Atok	VG, SP, GG*	PR, CN, DM*, PL*
PH116	Kenong		RB, DM*
PH117	Kuala Keloi	VG, SP, GG*	PR, CN, DM*, PL*
PH118	Kekabu		DM, RB
PH119	Kasikin		DM, RB
PH120	Kadok	SP	DM, RB
PH121	Kong	SP	DM, RB
PH122	Keruntung	VG, GG*	PR, DM, PL, CN
PH123	Karak Setia		NA(I)
PH124	Lubok		NA(I)
PH125	Lebak		NA(I)

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (6/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH126	Lipat Kajang	VG(I)	
PH127	Luas, Jenderak	VG(I), SP(I)	
PH128	Lompat		NA(I)
PH129	Lanjut, Lipat Kajang		NA(I)
PH130	Luas & Tg. Batu	VG(I)	
PH131	Lubuk Lian		NA(I)
PH132	Lubuk Kawan		NA(I)
PH133	Lang	VG*	NA
PH134	Lata Kasah		DM, RB
PH135	Lubok Payong	VG, SP, GG*	DM, CN, CR, PL*
PH136	Lanting	VG(I)*	NA(I)
PH137	Ladang	VG(I)*	NA(I)
PH138	Lubuh		NA(I)
PH139	Lalloh/Salak	SP	RB, DM*
PH140	Lallang	VG, GG*	DM, CN, CR, PL*
PH141	Lanar	VG, GG*	DM, CN, CR, PL*
PH142	Lengkong		DM, RB
PH143	Lurau	VG, GG*	PR, DM, PL, CR
PH144	Mambang		NA(I)
PH145	Mencali/Gading		NA(I)
PH146	Mentakab		NA(I)
PH147	Mengkuang	VG(I), SP(I)	
PH148	Machang Gelap	VG, SP	
PH149	Mentenang		NA(I)
PH150	Meledu	VG, SP, GG*	DM, PL, CN, CR

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (7/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH151	Melatengah		NA(I)
PH152	Mentiue	VG, SP, GG*	DM, PL, CN, CR
PH153	Melan	VG, GG*	PR, DM, CR, PL*
PH154	Nyonyak		NA(I)
PH155	Nawan, Jenderak		NA(I)
PH156	Nyong		NA(I)
PH157	Nyak Besar		NA(I)
PH158	Nyak Kecil		NA(I)
PH159	Paya Ngcwin		NA(I)
PH160	Paya Nakoh	VG(I)	
PH161	Pinang	VG, SP	
PH162	Pakoh	VG	
PH163	Permatang Puah		NA
PH164	Pahang Tua	DP, VG*, GG*	CN, SC, DM*
PH165	Pulau Jawa		NA(I)
PH166	Padang		NA(I)
PH167	Pasir Panjang		NA(I)
PH168	Pelak	VG(I)	
PH169	Pulau Rumput	VG(I)	
PH170	Pulau Nawar		NA(I)
PH171	Puyu		NA(I)
PH172	Pamah Songsang		NA(I)
PH173	Padang		NA(I)
PH174	Penak		NA(I)
PH175	Perak, Lipat Kajang		NA(I)

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (8/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH176	Puchong	VG(I)	
PH177	Pamun & Sebelah		NA(I)
PH178	Pelong, Jenderak	SP(I)	
PH179	Pulau Chengai, Jenderak		NA(I)
PH180	Paya Putat		NA(I)
PH181	Puah, Jenderak		NA(I)
PH182	Pesagi	VG(I)	
PH183	Pejing		NA(I)
PH184	Paku		NA(I)
PH185	Padang Tenggara		NA(I)
PH186	Pemah Bedu		RB, DM*
PH187	Perangkap		DM, RB
PH188	Pagak Sasak	SP	RB, DM*
PH189	Peling Hilir	VG, SP, GG*	DM, PL, CN, CR
PH190	Ponsoon	SP	DM, RB
PH191	Pelantar		NA(I)
PH192	Rhu		NA(I)
PH193	Rambutan		NA(I)
PH194	Rumput		NA(I)
PH195	Rambai, Jenderak		NA(I)
PH196	Rantau Panjang		NA(I)
PH197	Rantau Panjang		NA(I)
PH198	Renggul	VG, SP, GG*	PR, CN, DM*, PL*
PH199	Relai	SP	DM, RB
PH200	Sepat	SP(I)	

Remarks: Priority order is shown from left to right for each crop group.

- *; Needs for regional marketing promotion
- (I); Inundation scheme
- DP; Double cropping of paddy
- SP; Single cropping of paddy
- VG; Vegetables
- GG; Ginger
- DM; Durian/mango
- CN; Cashewnut
- CR; Citrus
- PL; Pineapple
- RB; Rubber
- SC; Sugarcane
- PR; Pepper
- NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (9/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH201	Soi	VG(I)	
PH202	Sri Damai	VG(I), GG(I)*	
PH203	Serandu		NA(I)
PH204	Salong	VG, GG*	CN, SC, DM*, CR*
PH205	Sejabun		NA(I)
PH206	Sungai Duri		NA(I)
PH207	Sepayang	SP	
PH208	Sg. Rabbit	VG(I)	
PH209	Siah		NA(I)
PH210	Sebelah		NA(I)
PH211	Sok, Jenderak	VG(I)	
PH212	Sekoh, Jenderak		NA(I)
PH213	Sg. Tuang	VG(I)	
PH214	Selindang	VG(I)	
PH215	Songsang		NA(I)
PH216	Sg. Buloh		NA(I)
PH217	Songsang		NA(I)
PH218	Sesap		NA(I)
PH219	Serdang Atas and Bawah		NA(I)
PH220	Sg. Chengal	VG	
PH221	Som		DM, RB
PH222	Sultanate Land		NA(I)
PH223	Sungai Leng		NA(I)
PH224	Sentang		NA(I)
PH225	Suungai Pasu	VG	

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (10/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH226	Sungai Tikam		DM, RB
PH227	Sain	VG, GG*	PR, DM, CN, PL*
PH228	Sengkela	VG, GG*	PR, DM, CN, PL*
PH229	Samak/Jani		NA(I)
PH230	Sepan	SP	DM, RB
PH231	Sungai Beluan		DM, RB
PH232	Sempa		NA(I)
PH233	Sum-Sum		DM, RB
PH234	Simpang Pelangai	VG, SP, GG*	PR, DM, CR
PH235	Scratus Tujuh		DM, RB
PH236	Tebat		NA(I)
PH237	Tanjung Pulai	VG(I)	
PH238	Temai Hilir	VG(I)	
PH239	Telok Era		NA(I)
PH240	Telok Sentang	VG(I)	
PH241	Tenggoh		NA(I)
PH242	Teratai		NA(I)
PH243	Taram, Kerbau		NA(I)
PH244	Tok Apas		NA(I)
PH245	Tok Langit		NA(I)
PH246	Terlang		NA(I)
PH247	Tedong		NA(I)
PH248	Terjun		NA(I)
PH249	Tenggang		NA(I)
PH250	Tetapa		NA(I)

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (11/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH251	Terengging, Jendcrak		NA(I)
PH252	Paya Teris		NA(I)
PH253	Tanjung, Keladan		NA(I)
PH254	Tambang		NA(I)
PH255	Tebing Tinggi		NA(I)
PH256	Tebing Tinggi		NA(I)
PH257	Terpai		NA(I)
PH258	Tengah		DM, RB
PH259	Tanjong Batu		NA(I)
PH260	Ting & Besar Kertau	VG(I)	
PH261	Temalir	VG, GG*	PR, DM, PL, CN
PH262	Tat/Tersan	VG, SP, GG*	PR, CN, DM*, PL*
PH263	Tersang	VG, SP, GG*	PR, CN, DM*, PL*
PH264	Temunga		DM, RB
PH265	Tanjung Putus	VG, SP, GG*	PR, CN, DM*, PL*
PH266	Terpuai		RB, DM*
PH267	Tampin/Kuala Kemahang		DM, RB
PH268	Teris	SP	DM, RB
PH269	Teka	SP	RB, DM*
PH270	Triang Hilir	SP	RB, DM*
PH271	Ubai		NA(I)
PH272	Ulu Cheka	SP(I)	
PH273	Ulu Retang	VG, GG	DM, PL, CN, CR
PH274	Ulu Temau		RB, DM*
PH275	Ulu Gali	SP	RB, DM*

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 1 Priority Order of Selected Crops for Each Scheme

State : Pahang (12/12)

Code No.	Scheme	Annual Crops	Perennial Crops
PH276	Ulu Lepar		RB, DM*
PH277	Ulu Atok		RB, DM*
PH278	Ulu Sempalit		NA(I)
PH279	Ulu Lallang		RB, DM*
PH280	Ulu Semei		DM, RB
PH281	Kuala Wau/Betong		NA(I)
PH282	Wah		NA(I)
PH283	Nangka		NA(I)
PH284	Baru Batu Sawar, Jenderak		NA(I)
PH285	Nabon		DM, RB
PH286	Cagar Hutang		NA(I)
PH287	Kemahang		DM, RB

Remarks: Priority order is shown from left to right for each crop group.

*; Needs for regional marketing promotion

(I); Inundation scheme

DP; Double cropping of paddy

SP; Single cropping of paddy

VG; Vegetables

GG; Ginger

DM; Durian/mango

CN; Cashewnut

CR; Citrus

PL; Pineapple

RB; Rubber

SC; Sugarcane

PR; Pepper

NA; Non-agricultural land

Table 2 Crop Diversification Potential for Each Scheme

State : Pahang (1/7)

Code	Scheme	Category							
		1	2	3	4	5	6	7	8
PH001	Ampang	.	.	.	.	.	.	.	*7
PH002	Paya Angut	.	.	.	.	.	.	.	*7
PH003	Ara, Kerdau	.	.	.	.	.	.	.	*7
PH004	Angut Ulu, Jenderak	.	.	.	.	.	.	.	*7
PH005	Alur Lintah	.	.	.	.	.	.	.	*7
PH006	Atok I and II	.	*1	.	.	.	.	.	.
PH007	Ajai	*1	*2	.	.	.	.	.	.
PH008	Aur Gading	.	*1	.	.	.	.	*2	.
PH009	Bungor	*1	.	.	.	.	.	.	.
PH010	Paya Beruas	.	.	.	.	.	.	.	*7
PH011	Belimbing	*5	.	.	.	.	.	.	.
PH012	Beluru	*1	*2	.	.	.	.	.	.
PH013	Bintang	*5	.	.	.	.	.	*6	.
PH014	Bintang Hulu	.	.	.	.	.	.	.	*7
PH015	Besar Tualang	*5	.	.	.	.	.	.	.
PH016	Busut Jin	.	.	.	.	.	.	.	*7
PH017	Batu Bor	*5	.	.	.	.	.	.	.
PH018	Bangau Parit	.	.	.	.	.	.	.	*7
PH019	Berhala Kapas	.	.	.	.	.	.	.	*7
PH020	Biut, Jenderak	*5	.	.	.	.	.	.	.
PH021	Paya Besar, Lipat Kajang	.	.	.	.	.	.	.	*7
PH022	Banir	.	.	.	.	.	.	.	*7
PH023	Besar Mengkarak	.	.	.	.	.	.	.	*7
PH024	Bangau	.	.	.	.	.	.	.	*7
PH025	Besar Lebak	.	.	.	.	.	.	.	*7
PH026	Paya Batu	.	.	.	.	.	.	*6	.
PH027	Besar Bohor	.	.	.	.	.	.	.	*7
PH028	Badok	*5	.	.	.	.	.	.	.
PH029	Baroh	.	.	.	.	.	.	.	*7
PH030	Kg. Belungu	.	.	.	.	.	.	.	*7
PH031	Bakoh, Kerdau	.	.	.	.	.	.	*6	.
PH032	Beringin	.	.	.	.	.	.	.	*7
PH033	Batu Hampar	.	.	.	.	.	.	.	*7
PH034	Betong	.	.	.	.	.	.	*6	.
PH035	Bkt. Dinding	.	.	.	.	.	.	.	*7
PH036	Belimbing	.	.	.	.	.	.	.	*7
PH037	Batu Gajah	.	.	.	.	.	.	.	*7
PH038	Bharu Lama	*1	.	.	.	.	.	.	.
PH039	Paya Bharu Stg. 1	*1	.	.	.	.	.	.	.
PH040	Batu Talam	*1	*2	.	.	.	.	.	.
PH041	Bukit Gambut	*1	*2	.	.	.	.	.	.
PH042	Paya Budu	.	*1	.	.	.	.	.	.
PH043	Bandar	.	*1	.	.	.	.	.	.
PH044	Bapong	.	*1	.	.	.	.	.	.
PH045	Paya Besar	.	*1	.	.	.	.	.	.

Table 2 Crop Diversification Potential for Each Scheme

State : Pahang (2/7)

Code	Scheme	Category							
		1	2	3	4	5	6	7	8
PH046	Cik Ali	.	.	.	.	.	.	*6	.
PH047	Chempaka	.	.	.	.	.	.	.	*7
PH048	Cendor	.	.	.	.	.	.	.	*7
PH049	Chukang Paku	.	.	.	.	.	.	.	*7
PH050	Chebong	.	.	.	.	.	.	.	*7
PH051	Caruk Murun	.	.	.	.	.	.	.	*7
PH052	Chenua	*1	*2	.	.	.	.	.	.
PH053	Cherlang	.	*1	.	.	.	.	.	.
PH054	Chin	.	*1	.	.	.	.	.	.
PH055	Chemato	.	*1	.	.	.	.	.	.
PH056	Cherba	*1	*2	.	.	.	.	.	.
PH057	Darat Sanggang	*5	.	.	.	.	.	*6	.
PH058	Darat Sir Kuala/Ulu	*5	.	.	.	.	.	.	.
PH059	Dehilir	*5	.	.	.	.	.	*6	.
PH060	Dedalu	*5	.	.	.	.	.	.	.
PH061	Paya Dalam	.	.	.	.	.	.	.	*7
PH062	Paya Dong/Durian Sebatang	*4	*1	*4	.	.	.	*2	.
PH063	Dusun	*1	*2	.	.	.	.	*3	.
PH064	Embun	*5	.	.	.	.	.	.	.
PH065	Gunting	.	.	.	.	.	.	.	*7
PH066	Gemayah	.	.	.	.	.	.	.	*7
PH067	Ganchong	*4	.	*4	.	.	*1	.	.
PH068	Gantok	.	.	.	.	.	.	.	*7
PH069	Guai dan Merbau	*5	.	.	.	.	.	*6	.
PH070	Gunong, Jenderak	.	.	.	.	.	.	.	*7
PH071	Gertak Keladan	.	.	.	.	.	.	.	*7
PH072	Gajah Mati, Jenderak	.	.	.	.	.	.	.	*7
PH073	Geduai, Jenderak	.	.	.	.	.	.	.	*7
PH074	Gajah Mati	.	.	.	.	.	.	.	*7
PH075	Paya Gintong/Sokti	*1	.	*2	.	.	.	*3	.
PH076	Gumai	.	.	.	.	.	.	.	*7
PH077	Gali Tengah	.	*2	.	.	.	.	*1	.
PH078	Hilir	*1	*2	*2	.	.	.	*3	.
PH079	Iman Sulong	.	.	.	.	.	.	*6	.
PH080	Jerangan	*1	.	.	.	.	.	.	.
PH081	Jaapan Keladi, Jenderak	.	.	.	.	.	.	.	*7
PH082	Jerangsang	.	.	.	.	.	.	.	*7
PH083	Joor	.	*1	.	.	.	.	.	.
PH084	Jelutung	*5	.	.	.	.	.	.	.
PH085	Janda Baik Hilir	.	*1	.	.	.	.	.	.
PH85B	Ulu Cheringging	.	*1	.	.	.	.	.	.
PH85C	Chemperoh	*1	*2	*2	.	.	.	*3	.
PH85D	Cheringging	.	*1	.	.	.	.	.	.

Table 2 Crop Diversification Potential for Each Scheme

State : Pahang (3/7)

Code	Scheme	Category							
		1	2	3	4	5	6	7	8
PH086	Kubang Karah	*1	*2	*2	.	.	.	*3	.
PH087	Kampung Melayu	.	.	.	.	.	.	.	*7
PH088	Kinchir	.	.	.	.	.	.	.	*7
PH089	Kilang	.	.	.	.	.	.	.	*7
PH090	Kenalau	.	.	.	.	.	.	.	*8
PH091	Ketam, Kerdau	*5	.	.	.	.	.	.	.
PH092	Kerayong	.	.	.	.	.	.	.	*7
PH093	Ketapi, Kerdau	.	.	.	.	.	.	.	*7
PH094	Kelibang, Kerdau	.	.	.	.	.	.	.	*7
PH095	Kuin	.	.	.	.	.	.	.	*7
PH096	Kuala Triang	.	.	.	.	.	.	.	*7
PH097	Kepong	.	.	.	.	.	.	.	*7
PH098	Keladan	.	.	.	.	.	.	.	*7
PH099	Kundang	.	.	.	.	.	.	*6	.
PH100	Karai	.	.	.	.	.	.	.	*7
PH101	Kubu	.	.	.	.	.	.	.	*7
PH102	Kenalan Kecil	.	.	.	.	.	.	.	*7
PH103	Kangsar	.	*2	.	.	.	.	*1	.
PH104	Kampung Baharu	.	*1	.	.	.	.	.	.
PH105	Kekura	.	.	.	.	.	.	.	*7
PH106	Kuala Retang	.	.	.	.	.	.	.	*7
PH107	Kool	.	.	.	.	.	.	.	*7
PH108	Kening	.	.	.	.	.	.	.	*7
PH109	Mertau	*1	.	*2	.	.	.	*3	.
PH110	Krot	*5	.	.	.	.	.	.	.
PH111	Kening Seberang	.	.	.	.	.	.	.	*7
PH112	Kemap	*1	.	*2	.	.	.	*3	.
PH113	Kertam	*4	.	*4	.	.	.	*1	.
PH114	Kuala Merang	.	*1	.	.	.	.	.	.
PH115	Kuala Atok	*1	*2	*2	.	.	.	*3	.
PH116	Kenong	.	*1	.	.	.	.	.	.
PH117	Kuala Keloi	*1	*2	*2	.	.	.	*3	.
PH118	Kekabu	.	*1	.	.	.	.	.	.
PH119	Kasikin	.	*1	.	.	.	.	.	.
PH120	Kadok	.	*1	.	.	.	.	*2	.
PH121	Kong	.	*1	.	.	.	.	.	.
PH122	Keruntung	*1	*2	.	.	.	.	.	.
PH123	Karak Setia	.	.	.	.	.	.	.	*7
PH124	Lubok	.	.	.	.	.	.	.	*7
PH125	Lebak	.	.	.	.	.	.	.	*7
PH126	Lipat Kajang	*5	.	.	.	.	.	.	.
PH127	Luas, Jenderak	*5	.	.	.	.	.	*6	.
PH128	Lompat	.	.	.	.	.	.	.	*7
PH129	Lanjut, Lipat Kajang	.	.	.	.	.	.	.	*7
PH130	Luas & Tg. Batu	*5	.	.	.	.	.	.	.

Table 2 Crop Diversification Potential for Each Scheme

State : Pahang (5/7)

Code	Scheme	Category							
		1	2	3	4	5	6	7	8
PH176	Puchong	*5	.	.	.	.	.	.	.
PH177	Pamun & Sebelah	.	.	.	.	.	.	.	*7
PH178	Pelong, Jenderak	.	.	.	.	.	.	*6	.
PH179	Pulau Chengai, Jenderak	.	.	.	.	.	.	.	*7
PH180	Paya Putat	.	.	.	.	.	.	.	*7
PH181	Puah, Jenderak	.	.	.	.	.	.	.	*7
PH182	Pesagi	*5	.	.	.	.	.	.	.
PH183	Pejing	*9	.	.	.	.	.	.	*7
PH184	Paku	.	.	.	.	.	.	.	*7
PH185	Padang Tenggara	.	.	.	.	.	.	.	*7
PH186	Pemah Bedu	.	*1	.	.	.	.	.	.
PH187	Perangkap	.	*1	.	.	.	.	.	.
PH188	Pagak Sasak	.	*2	.	.	.	.	*1	.
PH189	Peling Hilir	*1	*2	*2	.	.	.	*3	.
PH190	Ponsoon	.	*1	.	.	.	.	*2	.
PH191	Pelantar	.	.	.	.	.	.	.	*7
PH192	Rhu	.	.	.	.	.	.	.	*7
PH193	Rambutan	.	.	.	.	.	.	.	*7
PH194	Rumput	.	.	.	.	.	.	.	*7
PH195	Rambai, Jenderak	.	.	.	.	.	.	.	*7
PH196	Rantau Panjang	.	.	.	.	.	.	.	*7
PH197	Rantau Panjang	.	.	.	.	.	.	.	*7
PH198	Renggul	*1	*2	*2	.	.	.	*3	.
PH199	Relai	.	*1	.	.	.	.	*2	.
PH200	Sepat	.	.	.	.	.	.	*6	.
PH201	Soi	*5	.	.	.	.	.	.	.
PH202	Sri Damai	*5	.	.	.	.	.	.	.
PH203	Serandu	.	.	.	.	.	.	.	*7
PH204	Salong	*1	*2	.	.	.	.	.	.
PH205	Sejabun	.	.	.	.	.	.	.	*7
PH206	Sungai Duri	.	.	.	.	.	.	.	*7
PH207	Sepayang	.	.	.	.	.	.	*1	.
PH208	Sg. Rabbit	*5	.	.	.	.	.	.	.
PH209	Siah	.	.	.	.	.	.	.	*7
PH210	Sebelah	.	.	.	.	.	.	.	*7
PH211	Sok, Jenderak	*5	.	.	.	.	.	.	.
PH212	Sekoh, Jenderak	.	.	.	.	.	.	.	*7
PH213	Sg. Tuang	*5	.	.	.	.	.	.	.
PH214	Selindang	*5	.	.	.	.	.	.	.
PH215	Songsang	.	.	.	.	.	.	.	*7
PH216	Sg. Buloh	.	.	.	.	.	.	.	*7
PH217	Songsang	.	.	.	.	.	.	.	*7
PH218	Sesap	.	.	.	.	.	.	.	*7
PH219	Serdang Atas and Bawah	.	.	.	.	.	.	.	*7
PH220	Sg. Chengal	*1	.	.	.	.	.	.	.

Table 2 Crop Diversification Potential for Each Scheme

State : Pahang (6/7)

Code	Scheme	Category							
		1	2	3	4	5	6	7	8
PH221	Som	.	*1	.	.	.	.	.	.
PH222	Sultanate Land	.	.	.	.	.	.	.	*7
PH223	Sungai Leng	*9	.	.	.	.	.	.	*7
PH224	Sentang	.	.	.	.	.	.	.	*7
PH225	Suungai Pasu	*1	.	.	.	.	.	.	.
PH226	Sungai Tikam	.	*1	.	.	.	.	.	.
PH227	Sain	*1	*2	.	.	.	.	.	.
PH228	Sengkela	*1	*2	.	.	.	.	.	.
PH229	Samak/Jani	.	.	.	.	.	.	.	*7
PH230	Sepan	.	*1	.	.	.	.	*2	.
PH231	Sungai Beluan	.	*1	.	.	.	.	.	.
PH232	Sempa	.	.	.	.	.	.	.	*7
PH233	Sum-Sum	.	*1	.	.	.	.	.	.
PH234	Simpang Pelangai	*1	*2	.	.	.	.	.	.
PH235	Seratus Tujuh	.	*1	.	.	.	.	.	.
PH236	Tebat	.	.	.	.	.	.	.	*7
PH237	Tanjung Pulai	*5	.	.	.	.	.	.	.
PH238	Temai Hilir	*5	.	.	.	.	.	.	.
PH239	Telok Era	.	.	.	.	.	.	.	*7
PH240	Telok Sentang	*5	.	.	.	.	.	.	.
PH241	Tenggoh	.	.	.	.	.	.	.	*7
PH242	Teratai	.	.	.	.	.	.	.	*7
PH243	Taram, Kerdau	.	.	.	.	.	.	.	*7
PH244	Tok Apas	.	.	.	.	.	.	.	*7
PH245	Tok Langit	.	.	.	.	.	.	.	*7
PH246	Terlang	.	.	.	.	.	.	.	*7
PH247	Tedong	.	.	.	.	.	.	.	*7
PH248	Terjun	.	.	.	.	.	.	.	*7
PH249	Tenggang	.	.	.	.	.	.	.	*7
PH250	Tetapa	.	.	.	.	.	.	.	*7
PH251	Teringging, Jenderak	.	.	.	.	.	.	.	*7
PH252	Paya Teris	.	.	.	.	.	.	.	*7
PH253	Tanjung, Keladan	.	.	.	.	.	.	.	*7
PH254	Tambang	.	.	.	.	.	.	.	*7
PH255	Tebing Tinggi	.	.	.	.	.	.	.	*7
PH256	Tebing Tinggi	.	.	.	.	.	.	.	*7
PH257	Terpai	.	.	.	.	.	.	.	*7
PH258	Tengah	.	*1	.	.	.	.	.	.
PH259	Tanjong Batu	.	.	.	.	.	.	.	*7
PH260	Ting & Besar Kertau	*5	.	.	.	.	.	.	.
PH261	Temalir	*1	*2	.	.	.	.	.	.
PH262	Tat/Tersan	*1	*2	*2	.	.	.	*3	.
PH263	Tersang	*1	*2	*2	.	.	.	*3	.
PH264	Temunga	.	*1	.	.	.	.	.	.
PH265	Tanjung Putus	*1	*2	*2	.	.	.	*3	.

Table 2 Crop Diversification Potential for Each Scheme

State : Pahang (7/7)

Code	Scheme	Category							
		1	2	3	4	5	6	7	8
PH266	Terpuai	.	*1	.	.	.	.	.	.
PH267	Tampin/Kuala Kemahang	.	*1	.	.	.	.	.	.
PH268	Teris	.	*1	.	.	.	.	*2	.
PH269	Teka	.	*2	.	.	.	.	*1	.
PH270	Triang Hilir	.	*2	.	.	.	.	*1	.
PH271	Ubai	.	.	.	.	.	.	.	*7
PH272	Ulu Cheka	.	.	.	.	.	.	*6	.
PH273	Ulu Retang	*1	*2	.	.	.	.	.	.
PH274	Ulu Temau	.	*1	.	.	.	.	.	.
PH275	Ulu Gali	.	*2	.	.	.	.	*1	.
PH276	Ulu Lepar	.	*1	.	.	.	.	.	.
PH277	Ulu Atok	.	*1	.	.	.	.	.	.
PH278	Ulu Sempalit	.	.	.	.	.	.	.	*7
PH279	Ulu Lallang	.	*1	.	.	.	.	.	.
PH280	Ulu Semei	.	*1	.	.	.	.	.	.
PH281	Kuala Wau/Betong	.	.	.	.	.	.	.	*7
PH282	Wah	.	.	.	.	.	.	.	*7
PH283	Nangka	.	.	.	.	.	.	.	*7
PH284	Baru Batu Sawar, Jenderak	.	.	.	.	.	.	.	*7
PH285	Nabon	.	*1	.	.	.	.	.	.
PH286	Cagar Hutang	.	.	.	.	.	.	.	*7
PH287	Kemahang	.	*1	.	.	.	.	.	.
*1	Super category	43	45	.	.	.	2	9	2
*2	2nd priority category	.	39	16	.	.	.	8	.
*3	3rd priority category	.	.	.	.	.	.	18	.
*4	4th priority category with needs of regional marketing promotion	5	.	4	.	.	.	.	.
*5	Off season upland crop cultivation in inundation schemes	34	.	.	.	.	.	.	.
*6	Single cropping of paddy in inundation schemes	.	.	.	.	.	.	15	.
*7	No more use for crop growing purposes in inundation schemes	.	.	.	.	.	.	.	145
*8	Converted inundation scheme but presently not planted	.	.	.	.	.	.	.	1
*9	Needs of regional marketing promotion for vegetable cropping in inundation schemes	4	.	.	.	.	.	.	.

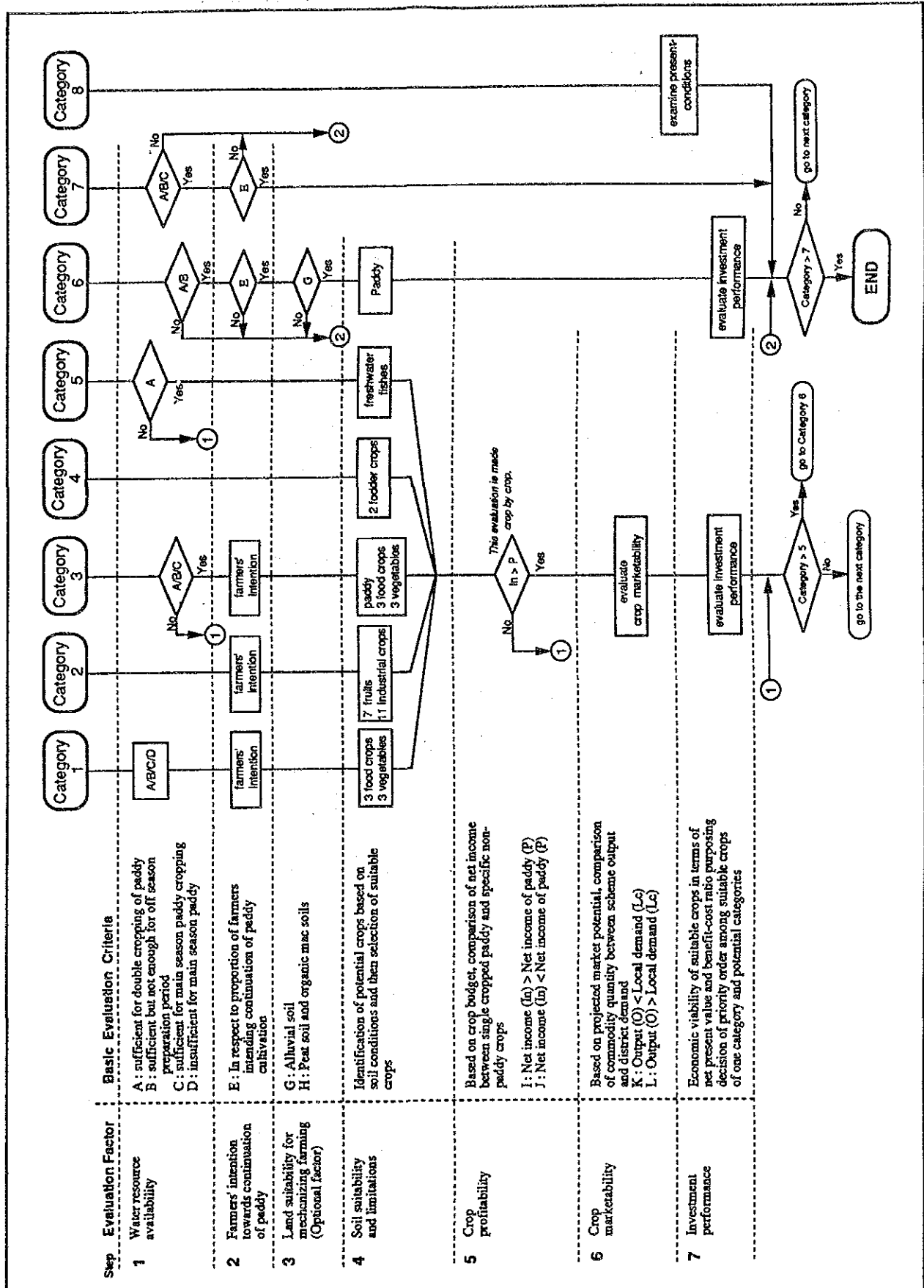


Fig. 1
Criteria and Procedure of Evaluation for Crop Diversification Potential

FEASIBILITY STUDY ON RATIONALIZATION AND CROP DIVERSIFICATION IN NON-GRANARY IRRIGATED AREAS IN MALAYSIA

Japan International Cooperation Agency

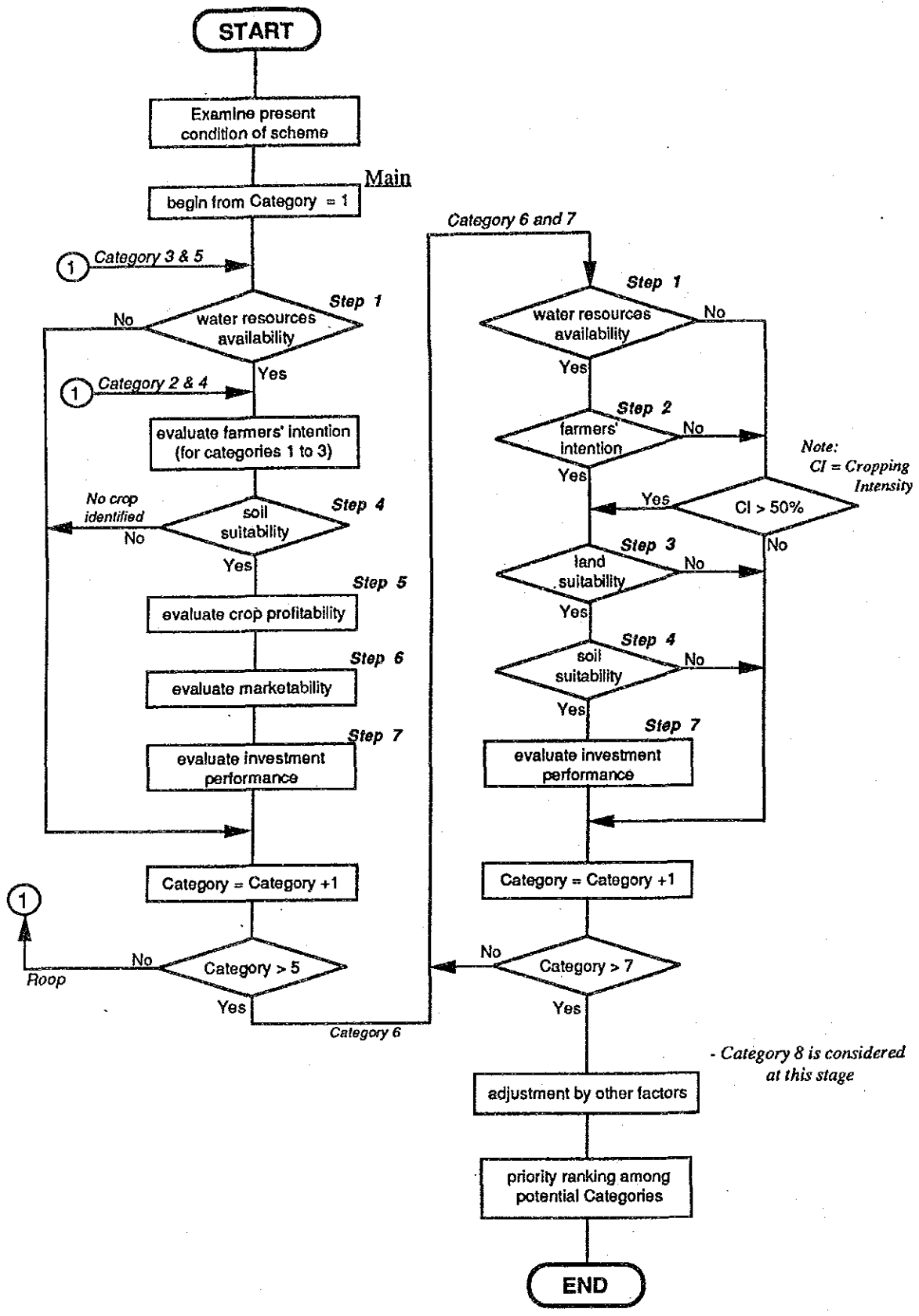


Fig. 2
General Flow of Evaluation
for Crop Diversification Potential

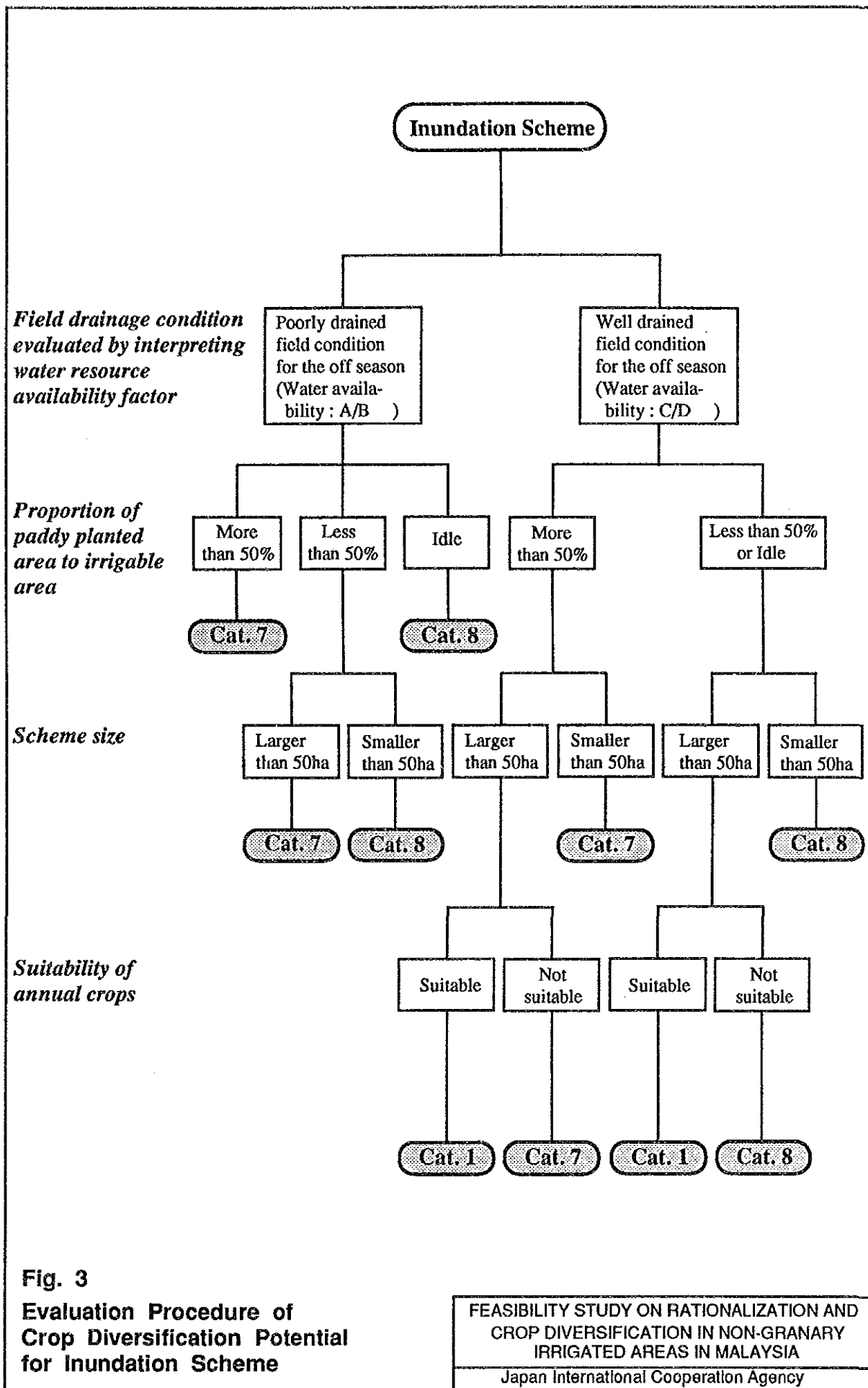


Fig. 3
Evaluation Procedure of
Crop Diversification Potential
for Inundation Scheme

*Feasibility Study on Rationalization and Crop Diversification
in Non-granary Irrigated Areas in Malaysia*

*Vol. 5
State Report*

Appendix

Results of Evaluation for Crop Diversification Potential

Remarks

Category

Category 1	<i>Schemes to be converted to high value crop cultivation under irrigated condition</i>
Category 2	<i>Schemes to be converted to tree crop cultivation</i>
Category 3	<i>Schemes to introduce two-cropping system planting paddy during the main season and short-term annual crops during the off-season</i>
Category 4	<i>Schemes to be converted to animal feeding crop cultivation or cattle raising fields</i>
Category 5	<i>Schemes to be converted to freshwater fish culture ponds</i>
Category 6	<i>Schemes to be positively maintained as mini-granary areas</i>
Category 7	<i>Schemes to be maintained as paddy cultivation areas within a definite period of time for social welfare purposes and thereafter to be further categorized</i>
Category 8	<i>Schemes to be converted to housing/industrial and other uses</i>

Evaluation Item in Each Step

Step 1	<i>Available irrigation water quantity</i>
Step 2	<i>Farmers' intention towards paddy cultivation</i>
Step 3	<i>Land suitability for mechanized farming practices</i>
Step 4	<i>Soil suitability and limitations to diversify crops</i>
Step 5	<i>Crop profitability</i>
Step 6	<i>Crop marketability</i>
Step 7	<i>Investment performance</i>

- Note:
- If any item is examined, steps for the respective categories are indicated with a star mark "*".*
 - In step 7, BIC ratio at the interest rate of 10% is described.*

Evaluation Results of Each Scheme

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Crop Diversification Potential for PH001

Code Number : PH001 Name of Scheme : Ampang
 State : Pahang District : Kuantan
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 47 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	832
2	*	*	*	Coconut	B	-	A		206
				Sago	A	-	A		423
3	*	*	*	Vegetable	B	A	A	6.9	832
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH002

Code Number : PH002 Name of Scheme : Paya Angut
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 93 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,646
2	*	*	*	Coconut	B	-	A		407
				Sago	A	-	A		837
3	*	*	*	Vegetable	B	A	A	6.9	1,646
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH003

Code Number : PH003 Name of Scheme : Ara
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 4 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	71
2	*	*	*	Coconut	B	-	A		18
				Sago	A	-	A		36
3	*	*	*	Vegetable	B	A	A	6.9	71
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH004

Code Number : PH004 Name of Scheme : Angut Ulu
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 45 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	797
2	*	*	*	Coconut	B	-	A		197
				Sago	A	-	A		405
3	*	*	*	Vegetable	B	A	A	6.9	797
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH005

Code Number : PH005 Name of Scheme : Alur Lintah
 State : Pahang District : Maran
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 41 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	726
2	*	*	*	Coconut	B	-	A		180
				Sago	A	-	A		369
3	*	*	*	Vegetable	B	A	A	6.9	726
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH006

Code Number : PH006 Name of Scheme : Atok I and II
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 49 Off : 49
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		735
				Groundnut	C	A	A		128
				Vegetable	C	A	A		867
2	*	*	*	Durian/Mango	C	A	-	11.0	333
				Guava	C	A	-	3.1	1,176
				Banana	C	A	-	0.7	515
				Cashewnut	C	A	A		86
				Papaya	C	A	-		1,225
				Citrus	C	A	-		515
				Pineapple	C	A	-	0.5	1,176
				Coconut	A	-	A		215
				Oilpalm	C	A	A	0.9	941
				Cocoa	C	A	A	0.6	152
				<u>Rubber</u>	A	A	A	<u>1.1</u>	<u>67</u>
				Coffee	C	A	A		43
				Tea	C	A	A		64
				Clove	C	A	A		15
Tabacco	C	A	A		441				
Sugarcane	C	A	A		980				
Pepper	C	A	A		145				
3	*	*	*	Maize	C	-	-		159
				Sorghum	C	-	A		184
				Ginger	C	A	-		735
				Groundnut	C	A	A		128
				Vegetable	C	A	A		867
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH007

Code Number : PH007 Name of Scheme : Ajai
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 35 Off : 28
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	525
				Groundnut	A	A	A	0.9	91
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>620</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	238
				Guava	C	A	-	3.1	840
				Banana	C	A	-	0.7	368
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>62</u>
				Papaya	B	A	-	0.6	875
				Citrus	B	A	-	2.9	368
				Pineapple	A	A	-	9.5	840
				Coconut	A	-	A		153
				Oilpalm	C	A	A	0.9	672
				Cocoa	C	A	A	0.6	109
				Rubber	B	A	A	0.6	48
				Sago	C	-	A		315
				Coffee	A	A	A	0.7	31
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>46</u>
				Clove	B	A	A	1.1	11
Tabacco	B	A	A	0.7	315				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>700</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>103</u>				
3	*	*	*	Maize	A	-	-		114
				Sorghum	A	-	A		131
				Ginger	B	A	-	2.5	525
				Groundnut	A	A	A	0.9	91
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>620</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH008

Code Number : PH008 Name of Scheme : Aur Gading
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 9 Off : 4
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : More than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		135
				Groundnut	C	A	A		23
				Vegetable	C	A	A		159
2	*	*	*	Durian/Mango	C	A	A	11.0	61
				Guava	C	A	-	3.1	216
				Banana	C	A	A	0.7	95
				Cashewnut	C	A	A		16
				Papaya	C	A	-		225
				Citrus	C	A	A		95
				Pineapple	C	A	A	0.5	216
				Coconut	A	-	A		39
				Oilpalm	C	A	A	0.9	173
				Cocoa	C	A	A	0.6	28
				<u>Rubber</u>	A	A	A	1.1	12
				Coffee	C	A	A		8
				Tea	C	A	A		12
				Clove	C	A	A		3
Tabacco	C	A	A		81				
Sugarcane	C	A	A		180				
Pepper	C	A	A		27				
3	*	*	*	Maize	C	-	-		29
				Sorghum	C	-	A		34
				Ginger	C	A	-		135
				Groundnut	C	A	A		23
				Vegetable	C	A	A		159
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH009

Code Number : PH009 Name of Scheme : Bungor
 State : Pahang District : Kuantan
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 57 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,009
2	*	*	*	Coconut	B	-	A		250
				Sago	A	-	A		513
3	*	*	*	Vegetable	B	A	A	6.9	1,009
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH010

Code Number : PH010 Name of Scheme : Paya Beruas
 State : Pahang District : Pekan
 Type of Scheme : Inundation
 Water source : Insufficient for main season paddy
 Soil series : 4dt

Irrigable area (ha) Main : 94 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*						
2	*	*	*	Coconut	C	-	A		412
				Sago	A	-	A		846
3									
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH011

Code Number : PH011 Name of Scheme : Belimbing
 State : Pahang District : Pekan
 Type of Scheme : Inundation
 Water source : Insufficient for main season paddy
 Soil series : 3d(t)

Irrigable area (ha) Main : 78 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,381
2	*	*	*	Coconut	B	-	A		342
				Sago	A	-	A		702
3									
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH012

Code Number : PH012 Name of Scheme : Beluru
 State : Pahang District : Pekan
 Type of Scheme : Pump
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 91 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,365
				Groundnut	A	A	A	0.9	238
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,611</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	619
				Guava	C	A	-	3.1	2,184
				Banana	C	A	A	0.7	956
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>160</u>
				Papaya	B	A	-	0.6	2,275
				Citrus	B	A	-	2.9	956
				Pineapple	A	A	-	9.5	2,184
				Coconut	A	-	A		399
				Oilpalm	C	A	A	0.9	1,747
				Cocoa	C	A	A	0.6	282
				Rubber	B	A	A	0.6	125
				Sago	C	-	A		819
				Coffee	A	A	A	0.7	80
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>118</u>
				Clove	B	A	A	1.1	28
Tabacco	B	A	A	0.7	819				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>1,820</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>268</u>				
3	*	*	*	Maize	A	-	-		296
				Sorghum	A	-	A		341
				Ginger	B	A	-	2.5	1,365
				Groundnut	A	A	A	0.9	238
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,611</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH013

Code Number : PH013 Name of Scheme : Bintang
 State : Pahang District : Pekan
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 127 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,905
				Groundnut	A	A	A	0.9	331
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>2,248</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	864
				Guava	C	A	-	3.1	3,048
				Banana	C	A	A	0.7	1,334
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>224</u>
				Papaya	B	A	-	0.6	3,175
				Citrus	B	A	-	2.9	1,334
				Pineapple	A	A	-	9.5	3,048
				Coconut	A	-	A		556
				Oilpalm	C	A	A	0.9	2,438
				Cocoa	C	A	A	0.6	394
				Rubber	B	A	A	0.6	174
				Sago	C	-	A		1,143
				Coffee	A	A	A	0.7	112
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>165</u>
				Clove	B	A	A	1.1	39
Tabacco	B	A	A	0.7	1,143				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>2,540</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>375</u>				
3	*	*	*	Maize	A	-	-		413
				Sorghum	A	-	A		476
				Ginger	B	A	-	2.5	1,905
				Groundnut	A	A	A	0.9	331
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>2,248</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH014

Code Number : PH014 Name of Scheme : Bintang Hulu
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 5 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	75
				Groundnut	A	A	A	0.9	13
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>89</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	34
				Guava	C	A	A	3.1	120
				Banana	C	A	A	0.7	53
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>9</u>
				Papaya	B	A	A	0.6	125
				Citrus	B	A	A	2.9	53
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>120</u>
				Coconut	A	-	A		22
				Oilpalm	C	A	A	0.9	96
				Cocoa	C	A	A	0.6	16
				Rubber	B	A	A	0.6	7
				Sago	C	-	A		45
				Coffee	A	A	A	0.7	4
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>7</u>
				Clove	B	A	A	1.1	2
Tabacco	B	A	A	0.7	45				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>100</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>15</u>				
3	*	*	*	Maize	A	-	-		16
				Sorghum	A	-	A		19
				Ginger	B	A	A	2.5	75
				Groundnut	A	A	A	0.9	13
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>89</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).

* : Potential categories

A : Suitable

B : Marginal suitable due to lack of drainage facilities

C : Marginal suitable due to limited factors other than drainage conditions

- : Not suitable

Crop Diversification Potential for PH015

Code Number : PH015 Name of Scheme : Besar Tualang
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 108 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,620
				Groundnut	A	A	A	0.9	282
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,912</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	734
				Guava	C	A	-	3.1	2,592
				Banana	C	A	A	0.7	1,134
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>190</u>
				Papaya	B	A	-	0.6	2,700
				Citrus	B	A	-	2.9	1,134
				Pineapple	A	A	-	9.5	2,592
				Coconut	A	-	A		473
				Oilpalm	C	A	A	0.9	2,074
				Cocoa	C	A	A	0.6	335
				Rubber	B	A	A	0.6	148
				Sago	C	-	A		972
				Coffee	A	A	A	0.7	95
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>140</u>
				Clove	B	A	A	1.1	33
Tabacco	B	A	A	0.7	972				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>2,160</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>319</u>				
3	*	*	*	Maize	A	-	-		351
				Sorghum	A	-	A		405
				Ginger	B	A	-	2.5	1,620
				Groundnut	A	A	A	0.9	282
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,912</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH016

Code Number : PH016 Name of Scheme : Busut Jin
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 28 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	496
2	*	*	*	Coconut	B	-	A		123
				Sago	A	-	A		252
3	*	*	*	Vegetable	B	A	A	6.9	496
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH017

Code Number : PH017 Name of Scheme : Batu Bor
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 73 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,095
				Groundnut	A	A	A	0.9	191
				<u>Vegetable</u>	A	A	A	13.8	1,292
2	*	*	*	Durian/Mango	C	A	A	11.0	496
				Guava	C	A	-	3.1	1,752
				Banana	C	A	A	0.7	767
				<u>Cashewnut</u>	A	A	A	8.7	128
				Papaya	B	A	-	0.6	1,825
				Citrus	B	A	-	2.9	767
				Pineapple	A	A	-	9.5	1,752
				Coconut	A	-	A		320
				Oilpalm	C	A	A	0.9	1,402
				Cocoa	C	A	A	0.6	226
				Rubber	B	A	A	0.6	100
				Sago	C	-	A		657
				Coffee	A	A	A	0.7	64
				<u>Tea</u>	A	A	A	10.4	95
				Clove	B	A	A	1.1	23
Tabacco	B	A	A	0.7	657				
<u>Sugarcane</u>	A	A	A	3.3	1,460				
<u>Pepper</u>	A	A	A	16.4	215				
3	*	*	*	Maize	A	-	-		237
				Sorghum	A	-	A		274
				Ginger	B	A	-	2.5	1,095
				Groundnut	A	A	A	0.9	191
				<u>Vegetable</u>	A	A	A	13.8	1,292
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH018

Code Number : PH018 Name of Scheme : Bangau Parit
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2gt

Irrigable area (ha) Main : 13 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	195
				Groundnut	A	A	A	0.9	34
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>230</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	88
				Guava	C	A	-	3.1	312
				Banana	C	A	A	0.7	137
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>23</u>
				Papaya	B	A	A	0.6	325
				Citrus	B	A	A	2.9	137
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>312</u>
				Coconut	A	-	A		57
				Oilpalm	C	A	A	0.9	250
				Cocoa	C	A	A	0.6	40
				Rubber	B	A	A	0.6	18
				Sago	C	-	A		117
				Coffee	A	A	A	0.7	11
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>17</u>
				Clove	B	A	A	1.1	4
Tabacco	B	A	A	0.7	117				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>260</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>38</u>				
3	*	*	*	Maize	A	-	-		42
				Sorghum	A	-	A		49
				Ginger	B	A	A	2.5	195
				Groundnut	A	A	A	0.9	34
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>230</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH019

Code Number : PH019 Name of Scheme : Berhala Kapas
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 27 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	478
2	*	*	*	Coconut	B	-	A		118
				Sago	A	-	A		243
3	*	*	*	Vegetable	B	A	A	6.9	478
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH020

Code Number : PH020 Name of Scheme : Biut
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 64 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,133
2	*	*	*	Coconut	B	-	A		280
				Sago	A	-	A		576
3	*	*	*	Vegetable	B	A	A	6.9	1,133
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH021

Code Number : PH021 Name of Scheme : Paya Besar
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 13 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	230
2	*	*	*	Coconut	B	-	A		57
				Sago	A	-	A		117
3	*	*	*	Vegetable	B	A	A	6.9	230
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH022

Code Number : PH022 Name of Scheme : Banir
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 15 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	225
				Groundnut	A	A	A	0.9	39
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>266</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	102
				Guava	C	A	-	3.1	360
				Banana	C	A	A	0.7	158
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>26</u>
				Papaya	B	A	A	0.6	375
				Citrus	B	A	A	2.9	158
				<u>Pineapple</u>	A	A	A	<u>2.5</u>	<u>360</u>
				Coconut	A	-	A		66
				Oilpalm	C	A	A	0.9	288
				Cocoa	C	A	A	0.6	47
				Rubber	B	A	A	0.6	21
				Sago	C	-	A		135
				Coffee	A	A	A	0.7	13
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>20</u>
Clove	B	A	A	1.1	5				
Tabacco	B	A	A	0.7	135				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>300</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>44</u>				
3	*	*	*	Maize	A	-	-		49
				Sorghum	A	-	A		56
				Ginger	B	A	A	2.5	225
				Groundnut	A	A	A	0.9	39
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>266</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH023

Code Number : PH023 Name of Scheme : Besar Mengkarak
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 20 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	354
2	*	*	*	Coconut	B	-	A		88
				Sago	A	-	A		180
3	*	*	*	Vegetable	B	A	A	6.9	354
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH024

Code Number : PH024 Name of Scheme : Bangau
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 25 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	375
				Groundnut	A	A	A	0.9	65
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>443</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	170
				Guava	C	A	-	3.1	600
				Banana	C	A	A	0.7	263
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>44</u>
				Papaya	B	A	A	0.6	625
				Citrus	B	A	A	2.9	263
				Pineapple	A	A	-	9.5	600
				Coconut	A	-	A		110
				Oilpalm	C	A	A	0.9	480
				Cocoa	C	A	A	0.6	78
				Rubber	B	A	A	0.6	34
				Sago	C	-	A		225
				Coffee	A	A	A	0.7	22
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>33</u>
				Clove	B	A	A	1.1	8
Tabacco	B	A	A	0.7	225				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>500</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>74</u>				
3	*	*	*	Maize	A	-	-		81
				Sorghum	A	-	A		94
				Ginger	B	A	A	2.5	375
				Groundnut	A	A	A	0.9	65
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>443</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH025

Code Number : PH025 Name of Scheme : Besar Lebak
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 18 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	319
2	*	*	*	Coconut	B	-	A		79
				Sago	A	-	A		162
3	*	*	*	Vegetable	B	A	A	6.9	319
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH026

Code Number : PH026 Name of Scheme : Paya Batu
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 8 Off : 8
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : More than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	120
				Groundnut	A	A	A	0.9	21
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>142</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	54
				Guava	C	A	-	3.1	192
				Banana	C	A	A	0.7	84
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>14</u>
				Papaya	B	A	A	0.6	200
				Citrus	B	A	A	2.9	84
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>192</u>
				Coconut	A	-	A		35
				Oilpalm	C	A	A	0.9	154
				Cocoa	C	A	A	0.6	25
				Rubber	B	A	A	0.6	11
				Sago	C	-	A		72
				Coffee	A	A	A	0.7	7
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>10</u>
Clove	B	A	A	1.1	2				
Tabacco	B	A	A	0.7	72				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>160</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>24</u>				
3	*	*	*	Maize	A	-	-		26
				Sorghum	A	-	A		30
				Ginger	B	A	A	2.5	120
				Groundnut	A	A	A	0.9	21
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>142</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH027

Code Number : PH027 Name of Scheme : Besar Bohor
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(no)

Irrigable area (ha) Main : 124 Off : 0
 Trafficability of farm machinery : No good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	2,195
2	*	*	*	Sago	B	-	A		1,116
3	*	*	*	Vegetable	B	A	A	6.9	2,195
4	*	*	*						
5	*	*	*			A	-	2.0	
6	*	*							
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH028

Code Number : PH028 Name of Scheme : Badok
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 51 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	765
				Groundnut	A	A	A	0.9	133
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>903</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	347
				Guava	C	A	-	3.1	1,224
				Banana	C	A	A	0.7	536
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>90</u>
				Papaya	B	A	-	0.6	1,275
				Citrus	B	A	-	2.9	536
				Pineapple	A	A	-	9.5	1,224
				Coconut	A	-	A		223
				Oilpalm	C	A	A	0.9	979
				Cocoa	C	A	A	0.6	158
				Rubber	B	A	A	0.6	70
				Sago	C	-	A		459
				Coffee	A	A	A	0.7	45
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>66</u>
				Clove	B	A	A	1.1	16
Tabacco	B	A	A	0.7	459				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>1,020</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>150</u>				
3	*	*	*	Maize	A	-	-		166
				Sorghum	A	-	A		191
				Ginger	B	A	-	2.5	765
				Groundnut	A	A	A	0.9	133
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>903</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH029

Code Number : PH029 Name of Scheme : Baroh
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 36 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	637
2	*	*	*	Coconut	B	-	A		158
				Sago	A	-	A		324
3	*	*	*	Vegetable	B	A	A	6.9	637
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH030

Code Number : PH030 Name of Scheme : Kg. Belengu
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 13 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	195
				Groundnut	A	A	A	0.9	34
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>230</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	88
				Guava	C	A	-	3.1	312
				Banana	C	A	A	0.7	137
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>23</u>
				Papaya	B	A	A	0.6	325
				Citrus	B	A	A	2.9	137
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>312</u>
				Coconut	A	-	A		57
				Oilpalm	C	A	A	0.9	250
				Cocoa	C	A	A	0.6	40
				Rubber	B	A	A	0.6	18
				Sago	C	-	A		117
				Coffee	A	A	A	0.7	11
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>17</u>
				Clove	B	A	A	1.1	4
Tabacco	B	A	A	0.7	117				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>260</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>38</u>				
3	*	*	*	Maize	A	-	-		42
				Sorghum	A	-	A		49
				Ginger	B	A	A	2.5	195
				Groundnut	A	A	A	0.9	34
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>230</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH031

Code Number : PH031 Name of Scheme : Bakoh
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 8 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : More than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (Ton)
1	*	*	*	Vegetable	B	A	A	6.9	142
2	*	*	*	Coconut	B	-	A		35
				Sago	A	-	A		72
3	*	*	*	Vegetable	B	A	A	6.9	142
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH032

Code Number : PH032 Name of Scheme : Beringin
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 11 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	195
2	*	*	*	Coconut	B	-	A		48
				Sago	A	-	A		99
3	*	*	*	Vegetable	B	A	A	6.9	195
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH033

Code Number : PH033 Name of Scheme : Batu Hampar
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 27 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	478
2	*	*	*	Coconut	B	-	A		118
				Sago	A	-	A		243
3	*	*	*	Vegetable	B	A	A	6.9	478
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH034

Code Number : PH034 Name of Scheme : Betong
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(T)

Irrigable area (ha) Main : 69 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,221
2	*	*	*	Coconut	B	-	A		302
				Sago	A	-	A		621
3	*	*	*	Vegetable	B	A	A	6.9	1,221
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH035

Code Number : PH035 Name of Scheme : Bkt. Dinding
 State : Pahang District : Jerantut
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(T)

Irrigable area (ha) Main : 20 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	354
2	*	*	*	Coconut	B	-	A		88
				Sago	A	-	A		180
3	*	*	*	Vegetable	B	A	A	6.9	354
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH036

Code Number : PH036 Name of Scheme : Belimbing
 State : Pahang District : Maran
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 20 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	354
2	*	*	*	Coconut	B	-	A		88
				Sago	A	-	A		180
3	*	*	*	Vegetable	B	A	A	6.9	354
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH037

Code Number : PH037 Name of Scheme : Batu Gajah
 State : Pahang District : Maran
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 27 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	478
2	*	*	*	Coconut	B	-	A		118
				Sago	A	-	A		243
3	*	*	*	Vegetable	B	A	A	6.9	478
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH038

Code Number : PH038 Name of Scheme : Bharu Lama
 State : Pahang District : Maran
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 23 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	407
2	*	*	*	Coconut	B	-	A		101
				Sago	A	-	A		207
3	*	*	*	Vegetable	B	A	A	6.9	407
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH039

Code Number : PH039 Name of Scheme : Paya Bharu Stg. 1
 State : Pahang District : Maran
 Type of Scheme : Gravity
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 48 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	850
2	*	*	*	Coconut	B	-	A		210
				Sago	A	-	A		432
3	*	*	*	Vegetable	B	A	A	6.9	850
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH040

Code Number : PH040 Name of Scheme : Batu Talam
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 98 Off : 98
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,470
				Groundnut	A	A	A	0.9	256
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,735</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	666
				Guava	C	A	-	3.1	2,352
				Banana	C	A	-	0.7	1,029
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>172</u>
				Papaya	B	A	-	0.6	2,450
				Citrus	B	A	-	2.9	1,029
				Pineapple	A	A	-	9.5	2,352
				Coconut	A	-	A		429
				Oilpalm	C	A	A	0.9	1,882
				Cocoa	C	A	A	0.6	304
				Rubber	B	A	A	0.6	134
				Sago	C	-	A		882
				Coffee	A	A	A	0.7	86
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>127</u>
				Clove	B	A	A	1.1	30
Tabacco	B	A	A	0.7	882				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>1,960</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>289</u>				
3	*	*	*	Maize	A	-	-		319
				Sorghum	A	-	A		368
				Ginger	B	A	-	2.5	1,470
				Groundnut	A	A	A	0.9	256
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,735</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).

- * : Potential categories
- A : Suitable
- B : Marginal suitable due to lack of drainage facilities
- C : Marginal suitable due to limited factors other than drainage conditions
- : Not suitable

Crop Diversification Potential for PH041

Code Number : PH041 Name of Scheme : Bukit Gambut
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 10 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	150
				Groundnut	A	A	A	0.9	26
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>177</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	68
				Guava	C	A	-	3.1	240
				Banana	C	A	-	0.7	105
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>18</u>
				Papaya	B	A	-	0.6	250
				Citrus	B	A	A	2.9	105
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>240</u>
				Coconut	A	-	A		44
				Oilpalm	C	A	A	0.9	192
				Cocoa	C	A	A	0.6	31
				Rubber	B	A	A	0.6	14
				Sago	C	-	A		90
				Coffee	A	A	A	0.7	9
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>13</u>
				Clove	B	A	A	1.1	3
Tabacco	B	A	A	0.7	90				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>200</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>30</u>				
3	*	*	*	Maize	A	-	-		33
				Sorghum	A	-	A		38
				Ginger	B	A	-	2.5	150
				Groundnut	A	A	A	0.9	26
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>177</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH042

Code Number : PH042 Name of Scheme : Paya Budu
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 11 Off : 6
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		165
				Groundnut	C	A	A		29
				Vegetable	C	A	A		195
2	*	*	*	Durian/Mango	C	A	A	11.0	75
				Guava	C	A	-	3.1	264
				Banana	C	A	A	0.7	116
				Cashewnut	C	A	A		19
				Papaya	C	A	-		275
				Citrus	C	A	A		116
				Pineapple	C	A	A	0.5	264
				Coconut	A	-	A		48
				Oilpalm	C	A	A	0.9	211
				Cocoa	C	A	A	0.6	34
				<u>Rubber</u>	A	A	A	1.1	15
				Coffee	C	A	A		10
				Tea	C	A	A		14
				Clove	C	A	A		3
Tabacco	C	A	A		99				
Sugarcane	C	A	A		220				
Pepper	C	A	A		32				
3	*	*	*	Maize	C	-	-		36
				Sorghum	C	-	A		41
				Ginger	C	A	-		165
				Groundnut	C	A	A		29
				Vegetable	C	A	A		195
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH043

Code Number : PH043 Name of Scheme : Bandar
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 23 Off : 16
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		345
				Groundnut	C	A	A		60
				Vegetable	C	A	A		407
2	*	*	*	Durian/Mango	C	A	A	11.0	156
				Guava	C	A	-	3.1	552
				Banana	C	A	A	0.7	242
				Cashewnut	C	A	A		40
				Papaya	C	A	-		575
				Citrus	C	A	A		242
				Pineapple	C	A	-	0.5	552
				Coconut	A	-	A		101
				Oilpalm	C	A	A	0.9	442
				Cocoa	C	A	A	0.6	71
				<u>Rubber</u>	A	A	A	<u>1.1</u>	<u>32</u>
				Coffee	C	A	A		20
				Tea	C	A	A		30
				Clove	C	A	A		7
Tabacco	C	A	A		207				
Sugarcane	C	A	A		460				
Pepper	C	A	A		68				
3	*	*	*	Maize	C	-	-		75
				Sorghum	C	-	A		86
				Ginger	C	A	-		345
				Groundnut	C	A	A		60
				Vegetable	C	A	A		407
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).

* : Potential categories

A : Suitable

B : Marginal suitable due to lack of drainage facilities

C : Marginal suitable due to limited factors other than drainage conditions

- : Not suitable

Crop Diversification Potential for PH044

Code Number : PH044 Name of Scheme : Bapong
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 10 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : More than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		150
				Groundnut	C	A	A		26
				Vegetable	C	A	A		177
2	*	*	*	Durian/Mango	C	A	A	11.0	68
				Guava	C	A	-	3.1	240
				Banana	C	A	A	0.7	105
				Cashewnut	C	A	A		18
				Papaya	C	A	-		250
				Citrus	C	A	A		105
				Pineapple	C	A	A	0.5	240
				Coconut	A	-	A		44
				Oilpalm	C	A	A	0.9	192
				Cocoa	C	A	A	0.6	31
				Rubber	A	A	A	1.1	14
				Coffee	C	A	A		9
				Tea	C	A	A		13
				Clove	C	A	A		3
Tabacco	C	A	A		90				
Sugarcane	C	A	A		200				
Pepper	C	A	A		30				
3	*	*	*	Maize	C	-	-		33
				Sorghum	C	-	A		38
				Ginger	C	A	-		150
				Groundnut	C	A	A		26
				Vegetable	C	A	A		177
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH045

Code Number : PH045 Name of Scheme : Paya Besar
 State : Pahang District : Temerloh
 Type of Scheme :
 Soil series : 2Dt

Irrigable area (ha) Main : 975 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		14,625
				Groundnut	C	A	A		2,545
				Vegetable	C	A	-		17,258
2	*	*	*	Durian/Mango	C	A	-	11.0	6,630
				Guava	C	A	-	3.1	23,400
				Banana	C	A	-	0.7	10,238
				Cashewnut	C	A	A		1,716
				Papaya	C	A	-		24,375
				Citrus	C	A	-		10,238
				Pineapple	C	A	-	0.5	23,400
				Coconut	A	-	A		4,271
				Oilpalm	C	A	A	0.9	18,720
				Cocoa	C	A	A	0.6	3,023
				<u>Rubber</u>	A	A	A	<u>1.1</u>	<u>1,336</u>
				Coffee	C	A	A		858
				Tea	C	A	A		1,268
				Clove	C	A	A		302
Tabacco	C	A	A		8,775				
Sugarcane	C	A	A		19,500				
Pepper	C	A	A		2,876				
3	*	*	*	Maize	C	-	-		3,169
				Sorghum	C	-	A		3,656
				Ginger	C	A	-		14,625
				Groundnut	C	A	A		2,545
				Vegetable	C	A	-		17,258
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH046

Code Number : PH046 Name of Scheme : Cik Ali
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 28 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : More than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	496
2	*	*	*	Coconut	B	-	A		123
				Sago	A	-	A		252
3	*	*	*	Vegetable	B	A	A	6.9	496
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH047

Code Number : PH047 Name of Scheme : Chempaka
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 39 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	690
2	*	*	*	Coconut	B	-	A		171
				Sago	A	-	A		351
3	*	*	*	Vegetable	B	A	A	6.9	690
4	*	*	*	Fodder grasses	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH048

Code Number : PH048 Name of Scheme : Cendor
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 35 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	620
2	*	*	*	Coconut	B	-	A		153
				Sago	A	-	A		315
3	*	*	*	Vegetable	B	A	A	6.9	620
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH049

Code Number : PH049 Name of Scheme : Chukang Paku
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 16 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	240
				Groundnut	A	A	A	0.9	42
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>283</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	109
				Guava	C	A	-	3.1	384
				Banana	C	A	A	0.7	168
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>28</u>
				Papaya	B	A	A	0.6	400
				Citrus	B	A	A	2.9	168
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>384</u>
				Coconut	A	-	A		70
				Oilpalm	C	A	A	0.9	307
				Cocoa	C	A	A	0.6	50
				Rubber	B	A	A	0.6	22
				Sago	C	-	A		144
				Coffee	A	A	A	0.7	14
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>21</u>
				Clove	B	A	A	1.1	5
Tabacco	B	A	A	0.7	144				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>320</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>47</u>				
3	*	*	*	Maize	A	-	-		52
				Sorghum	A	-	A		60
				Ginger	B	A	A	2.5	240
				Groundnut	A	A	A	0.9	42
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>283</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH050

Code Number : PH050 Name of Scheme : Chebong
 State : Pahang District : Jerantut
 Type of Scheme : Inundation
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 14 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	210
				Groundnut	A	A	A	0.9	37
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>248</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	95
				Guava	C	A	-	3.1	336
				Banana	C	A	A	0.7	147
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>25</u>
				Papaya	B	A	-	0.6	350
				Citrus	B	A	A	2.9	147
				Pineapple	A	A	-	9.5	336
				Coconut	A	-	A		61
				Oilpalm	C	A	A	0.9	269
				Cocoa	C	A	A	0.6	43
				Rubber	B	A	A	0.6	19
				Sago	C	-	A		126
				Coffee	A	A	A	0.7	12
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>18</u>
				Clove	B	A	A	1.1	4
Tabacco	B	A	A	0.7	126				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>280</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>41</u>				
3	*	*	*	Maize	A	-	-		46
				Sorghum	A	-	A		53
				Ginger	B	A	-	2.5	210
				Groundnut	A	A	A	0.9	37
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>248</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH051

Code Number : PH051 Name of Scheme : Caruk Murun
 State : Pahang District : Jerantut
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 23 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	407
2	*	*	*	Coconut	B	-	A		101
				Sago	A	-	A		207
3	*	*	*	Vegetable	B	A	A	6.9	407
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH052

Code Number : PH052 Name of Scheme : Chenua
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 98 Off : 98
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,470
				Groundnut	A	A	A	0.9	256
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,735</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	666
				Guava	C	A	-	3.1	2,352
				Banana	C	A	-	0.7	1,029
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>172</u>
				Papaya	B	A	-	0.6	2,450
				Citrus	B	A	-	2.9	1,029
				Pineapple	A	A	-	9.5	2,352
				Coconut	A	-	A		429
				Oilpalm	C	A	A	0.9	1,882
				Cocoa	C	A	A	0.6	304
				Rubber	B	A	A	0.6	134
				Sago	C	-	A		882
				Coffee	A	A	A	0.7	86
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>127</u>
				Clove	B	A	A	1.1	30
Tabacco	B	A	A	0.7	882				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>1,960</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>289</u>				
3	*	*	*	Maize	A	-	-		319
				Sorghum	A	-	A		368
				Ginger	B	A	-	2.5	1,470
				Groundnut	A	A	A	0.9	256
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,735</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH053

Code Number : PH053 Name of Scheme : Cherlang
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Limited to single cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 29 Off : 12
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		435
				Groundnut	C	A	A		76
				Vegetable	C	A	A		513
2	*	*	*	Durian/Mango	C	A	-	11.0	197
				Guava	C	A	-	3.1	696
				Banana	C	A	-	0.7	305
				Cashewnut	C	A	A		51
				Papaya	C	A	-		725
				Citrus	C	A	-		305
				Pineapple	C	A	-	0.5	696
				Coconut	A	-	A		127
				Oilpalm	C	A	A	0.9	557
				Cocoa	C	A	A	0.6	90
				<u>Rubber</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>1.1</u>	<u>40</u>
				Coffee	C	A	A		26
				Tea	C	A	A		38
				Clove	C	A	A		9
Tabacco	C	A	A		261				
Sugarcane	C	A	A		580				
Pepper	C	A	A		86				
3	*	*	*	Maize	C	-	-		94
				Sorghum	C	-	A		109
				Ginger	C	A	-		435
				Groundnut	C	A	A		76
				Vegetable	C	A	A		513
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH054

Code Number : PH054 Name of Scheme : Chin
 State : Pahang District : Raub
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 8 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		120
				Groundnut	C	A	A		21
				Vegetable	C	A	A		142
2	*	*	*	Durian/Mango	C	A	A	11.0	54
				Guava	C	A	-	3.1	192
				Banana	C	A	-	0.7	84
				Cashewnut	C	A	A		14
				Papaya	C	A	-		200
				Citrus	C	A	A		84
				Pineapple	C	A	A	0.5	192
				Coconut	A	-	A		35
				Oilpalm	C	A	A	0.9	154
				Cocoa	C	A	A	0.6	25
				<u>Rubber</u>	A	A	A	1.1	11
				Coffee	C	A	A		7
				Tea	C	A	A		10
				Clove	C	A	A		2
Tabacco	C	A	A		72				
Sugarcane	C	A	A		160				
Pepper	C	A	A		24				
3	*	*	*	Maize	C	-	-		26
				Sorghum	C	-	A		30
				Ginger	C	A	-		120
				Groundnut	C	A	A		21
				Vegetable	C	A	A		142
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).

* : Potential categories

A : Suitable

B : Marginal suitable due to lack of drainage facilities

C : Marginal suitable due to limited factors other than drainage conditions

- : Not suitable

Crop Diversification Potential for PH055

Code Number : PH055 Name of Scheme : Chematu
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2Dt

Irrigable area (ha) Main : 17 Off : 12
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	C	A	-		255
				Groundnut	C	A	A		44
				Vegetable	C	A	A		301
2	*	*	*	Durian/Mango	C	A	A	11.0	116
				Guava	C	A	-	3.1	408
				Banana	C	A	A	0.7	179
				Cashewnut	C	A	A		30
				Papaya	C	A	-		425
				Citrus	C	A	A		179
				Pineapple	C	A	-	0.5	408
				Coconut	A	-	A		74
				Oilpalm	C	A	A	0.9	326
				Cocoa	C	A	A	0.6	53
				<u>Rubber</u>	A	A	A	1.1	23
				Coffee	C	A	A		15
				Tea	C	A	A		22
				Clove	C	A	A		5
Tabacco	C	A	A		153				
Sugarcane	C	A	A		340				
Pepper	C	A	A		50				
3	*	*	*	Maize	C	-	-		55
				Sorghum	C	-	A		64
				Ginger	C	A	-		255
				Groundnut	C	A	A		44
				Vegetable	C	A	A		301
4	*	*	*	Fodder grasses	C	-	A		
				Pasture	C	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*						
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH056

Code Number : PH056 Name of Scheme : Cherba
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 15 Off : 12
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	225
				Groundnut	A	A	A	0.9	39
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>266</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	102
				Guava	C	A	-	3.1	360
				Banana	C	A	A	0.7	158
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>26</u>
				Papaya	B	A	-	0.6	375
				Citrus	B	A	A	2.9	158
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>360</u>
				Coconut	A	-	A		66
				Oilpalm	C	A	A	0.9	288
				Cocoa	C	A	A	0.6	47
				Rubber	B	A	A	0.6	21
				Sago	C	-	A		135
				Coffee	A	A	A	0.7	13
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>20</u>
Clove	B	A	A	1.1	5				
Tabacco	B	A	A	0.7	135				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>300</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>44</u>				
3	*	*	*	Maize	A	-	-		49
				Sorghum	A	-	A		56
				Ginger	B	A	-	2.5	225
				Groundnut	A	A	A	0.9	39
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>266</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH057

Code Number : PH057 Name of Scheme : Darat Sanggang
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 87 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	1,305
				Groundnut	A	A	A	0.9	227
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,540</u>
2	*	*	*	Durian/Mango	C	A	-	11.0	592
				Guava	C	A	-	3.1	2,088
				Banana	C	A	A	0.7	914
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>153</u>
				Papaya	B	A	-	0.6	2,175
				Citrus	B	A	-	2.9	914
				Pineapple	A	A	-	9.5	2,088
				Coconut	A	-	A		381
				Oilpalm	C	A	A	0.9	1,670
				Cocoa	C	A	A	0.6	270
				Rubber	B	A	A	0.6	119
				Sago	C	-	A		783
				Coffee	A	A	A	0.7	77
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>113</u>
				Clove	B	A	A	1.1	27
Tabacco	B	A	A	0.7	783				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>1,740</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>257</u>				
3	*	*	*	Maize	A	-	-		283
				Sorghum	A	-	A		326
				Ginger	B	A	-	2.5	1,305
				Groundnut	A	A	A	0.9	227
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>1,540</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH058

Code Number : PH058 Name of Scheme : Darat Sir Kuala/Ulu
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 63 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,115
2	*	*	*	Coconut	B	-	A		276
				Sago	A	-	A		567
3	*	*	*	Vegetable	B	A	A	6.9	1,115
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH059

Code Number : PH059 Name of Scheme : Dehilir
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 9 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	135
				Groundnut	A	A	A	0.9	23
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>159</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	61
				Guava	C	A	-	3.1	216
				Banana	C	A	A	0.7	95
				<u>Cashewnut</u>	A	A	A	<u>8.2</u>	<u>16</u>
				Papaya	B	A	A	0.6	225
				Citrus	B	A	A	2.9	95
				<u>Pineapple</u>	A	A	A	<u>9.5</u>	<u>216</u>
				Coconut	A	-	A		39
				Oilpalm	C	A	A	0.9	173
				Cocoa	C	A	A	0.6	28
				Rubber	B	A	A	0.6	12
				Sago	C	-	A		81
				Coffee	A	A	A	0.7	8
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>12</u>
				Clove	B	A	A	1.1	3
Tabacco	B	A	A	0.7	81				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>180</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>27</u>				
3	*	*	*	Maize	A	-	-		29
				Sorghum	A	-	A		34
				Ginger	B	A	A	2.5	135
				Groundnut	A	A	A	0.9	23
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>159</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH060

Code Number : PH060 Name of Scheme : Dedalu
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 31 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	465
				Groundnut	A	A	A	0.9	81
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>549</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	211
				Guava	C	A	-	3.1	744
				Banana	C	A	A	0.7	326
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>55</u>
				Papaya	B	A	A	0.6	775
				Citrus	B	A	A	2.9	326
				Pineapple	A	A	-	9.5	744
				Coconut	A	-	A		136
				Oilpalm	C	A	A	0.9	595
				Cocoa	C	A	A	0.6	96
				Rubber	B	A	A	0.6	42
				Sago	C	-	A		279
				Coffee	A	A	A	0.7	27
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>40</u>
				Clove	B	A	A	1.1	10
Tabacco	B	A	A	0.7	279				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>620</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>91</u>				
3	*	*	*	Maize	A	-	-		101
				Sorghum	A	-	A		116
				Ginger	B	A	A	2.5	465
				Groundnut	A	A	A	0.9	81
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>549</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH061

Code Number : PH061 Name of Scheme : Paya Dalam
 State : Pahang District : Temerloh
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 2dt

Irrigable area (ha) Main : 32 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	A	2.5	480
				Groundnut	A	A	A	0.9	84
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>566</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	218
				Guava	C	A	-	3.1	768
				Banana	C	A	A	0.7	336
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>56</u>
				Papaya	B	A	A	0.6	800
				Citrus	B	A	A	2.9	336
				Pineapple	A	A	-	9.5	768
				Coconut	A	-	A		140
				Oilpalm	C	A	A	0.9	614
				Cocoa	C	A	A	0.6	99
				Rubber	B	A	A	0.6	44
				Sago	C	-	A		288
				Coffee	A	A	A	0.7	28
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>42</u>
				Clove	B	A	A	1.1	10
Tabacco	B	A	A	0.7	288				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>640</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>94</u>				
3	*	*	*	Maize	A	-	-		104
				Sorghum	A	-	A		120
				Ginger	B	A	A	2.5	480
				Groundnut	A	A	A	0.9	84
				<u>Vegetable</u>	A	A	A	<u>13.8</u>	<u>566</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH062

Code Number : PH062 Name of Scheme : Paya Dong/Durian Sebatang
 State : Pahang District : Temerloh
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 167 Off : 167
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Less than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	2,505
				Groundnut	A	A	A	0.9	436
				Vegetable	A	A	-	13.8	2,956
2	*	*	*	Durian/Mango	C	A	-	11.0	1,136
				Guava	C	A	-	3.1	4,008
				Banana	C	A	-	0.7	1,754
				<u>Cashewnut</u>	A	A	A	<u>8.7</u>	<u>294</u>
				Papaya	B	A	-	0.6	4,175
				Citrus	B	A	-	2.9	1,754
				Pineapple	A	A	-	9.5	4,008
				Coconut	A	-	A		731
				Oilpalm	C	A	A	0.9	3,206
				Cocoa	C	A	A	0.6	518
				Rubber	B	A	A	0.6	229
				Sago	C	-	A		1,503
				Coffee	A	A	A	0.7	147
				<u>Tea</u>	A	A	A	<u>10.4</u>	<u>217</u>
				Clove	B	A	A	1.1	52
Tabacco	B	A	A	0.7	1,503				
<u>Sugarcane</u>	A	A	A	<u>3.3</u>	<u>3,340</u>				
<u>Pepper</u>	A	A	A	<u>16.4</u>	<u>493</u>				
3	*	*	*	Maize	A	-	-		543
				Sorghum	A	-	A		626
				Ginger	B	A	-	2.5	2,505
				Groundnut	A	A	A	0.9	436
				Vegetable	A	A	-	13.8	2,956
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*		A	A	A		
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH063

Code Number : PH063 Name of Scheme : Dusun
 State : Pahang District : Lipis
 Type of Scheme : Gravity
 Water source : Sufficient for double cropping
 Soil series : 2dt

Irrigable area (ha) Main : 21 Off : 14
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : More than 50% of irrigable area

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Ginger	B	A	-	2.5	315
				Groundnut	A	A	A	0.9	55
				<u>Vegetable</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>13.8</u>	<u>372</u>
2	*	*	*	Durian/Mango	C	A	A	11.0	143
				Guava	C	A	-	3.1	504
				Banana	C	A	A	0.7	221
				<u>Cashewnut</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>8.7</u>	<u>37</u>
				Papaya	B	A	-	0.6	525
				Citrus	B	A	A	2.9	221
				Pineapple	A	A	-	9.5	504
				Coconut	A	-	A		92
				Oilpalm	C	A	A	0.9	403
				Cocoa	C	A	A	0.6	65
				Rubber	B	A	A	0.6	29
				Sago	C	-	A		189
				Coffee	A	A	A	0.7	18
				<u>Tea</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>10.4</u>	<u>27</u>
				Clove	B	A	A	1.1	7
Tabacco	B	A	A	0.7	189				
<u>Sugarcane</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>3.3</u>	<u>420</u>				
<u>Pepper</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>16.4</u>	<u>62</u>				
3	*	*	*	Maize	A	-	-		68
				Sorghum	A	-	A		79
				Ginger	B	A	-	2.5	315
				Groundnut	A	A	A	0.9	55
				<u>Vegetable</u>	<u>A</u>	<u>A</u>	<u>A</u>	<u>13.8</u>	<u>372</u>
4	*	*	*	Fodder grasses	A	-	A		
				Pasture	A	-	A		
5	*	*	*			A	-	2.0	
6	*	*	*			<u>A</u>	<u>A</u>	<u>A</u>	
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable

Crop Diversification Potential for PH064

Code Number : PH064 Name of Scheme : Embun
 State : Pahang District : Maran
 Type of Scheme : Inundation
 Water source : Limited to single cropping
 Soil series : 3d(t)

Irrigable area (ha) Main : 72 Off : 0
 Trafficability of farm machinery : Good
 Paddy planting for last 3 years : Idle

Category	Step 1	Step 2	Step 3		Step 4	Step 5	Step 6	Step 7 (B/C)	Production (ton)
1	*	*	*	Vegetable	B	A	A	6.9	1,274
2	*	*	*	Coconut	B	-	A		315
				Sago	A	-	A		648
3	*	*	*	Vegetable	B	A	A	6.9	1,274
4	*	*	*	Fodder grasses	A	-	A		
5									
6									
7	*	*	*		*	*	*		
8	*	*	*		*	*	*		

NOTE Underline : Crops with highest potential (Class A) in terms of crop suitability, profitability, marketability and invest performance (B/C > 1).
 * : Potential categories
 A : Suitable
 B : Marginal suitable due to lack of drainage facilities
 C : Marginal suitable due to limited factors other than drainage conditions
 - : Not suitable