locality should form the basis for scientific planning. Data from telegates should be continuously used for this purpose

FARM BUDGETING

FARM BUDGETHEO

Farm plan is a programme of total farm activity drawn up by the farm budgeting is a programme of total farm size called farm budgeting in the least partial budget and complete the size of farm plan in monetary terms is called farm budgeting in the least partial budget and complete the size of farm plan in monetary terms is called farm budgeting in the least partial budget and complete the size of the size o Farm plan is a programme of total farm six called farm budgeting Farm plan in monetary terms is called farm budgeting Farm plan in monetary terms is called farm budgeting Farm plan in monetary terms is called farm budgeting Farm plan in monetary terms is called farm budgeting Farm plan in monetary terms is called farm budgeting Farm plan in monetary terms is called farm budgeting Farm plan is a programme of total farm. Farm plan is a program plan in monetary terms budget and complete budget. The expression of farm plan in monetary terms budget and complete budget. The expression of farm plan in monetary terms budget and complete budget are classified into enterprise budget, partial budget and complete budget are classified into enterprise budgeting is a method of examining the profitability of an are classified. Farm budgeting is a method of examining the profitability of an are classified. The expression of the enterprise budget pare classified into enterprise budget are classified into enterprise budget part and the profit budget are classified into enterprise budget part and the profit budget in th farm plans.

FARM ENTERPRISE BUDGET

A commodity that is being produced on the farm is called farm enterprise a commodity that is being produced on the farm is called farm enterprise budges A commodity that is being produced the commodity that is being produced budgets. Enterprise budgets can be developed for each potential enterprise. Enterprise budgets budgets can be developed for each potential enterprise. Enterprise budgets can be developed for each potential enterprise. budgets can be developed for each percent for a crop, one head of pared in terms of a common unit i.e., acre, hectare, for a crop, one head of pared in terms of a common between the enterprises. Enterprise budgets pared in terms of a common unit like active the enterprises. Enterprise budgette. This facilitates easy comparison between the enterprises. Enterprise budgette. This facilitates easy comparison between the enterprise. estimation of expected income, costs and profit for an enterprise.

ORGANIZATION OF ENTERPRISE BUDGET

It consists of three elements viz., income, costs and profitability. Income is the expected output and expected price (Table 27.1). The It consists of three elements of the expected output and expected price (Table 27.1). The by estimating the expected output and weather conditions. Output prices by estimating the expected output and weather conditions. Output price and output is the average yield under normal weather conditions. Output price and output is the average yield in future. In order to estimate the variable conditions output is the average yield under no der to estimate the variable costs the average price expected in future. In order to estimate the variable costs the average price expected in future and the prices at which they are the average price expected in the state of the prices at which they are purisification on quantity of inputs used and the prices at which they are purisification on quantity of inputs used and the prices at which they are purising the prices are land revenue, depressed the prices are land revenue, depressed to the prices at which they are purising the prices at the prices a information on quantity of injuries. Fixed costs to be included in enterprise budget are land revenue, depreciation in on fixed capital and rental value of owned land.

TABLE 27.1 Enterprise Budget for Groundhut per Hectare.

	Item	Ru A
A)	Yield 9.54 quintal @ Rs. 1332	12,707.28
B)	i) Variable costs	
-2	Human labour	1,843.43
	Bullock labour	920.05
	Machine labour	516.96
	Seeds	2,352.78
	Manures and fertilizers	1,724.27
	Plant protection chemicals	189.10
	Repairs	91.59
	Interest on working capital	229.16
	Total variable costs	7,867.54
	ii) Fixed costs	
	Land revenue	15.00
	Rental value of owned land	2,430.54
	Depreciation	137.47
	Interest on fixed capital	178.19
	Total fixed costs	2,761.21
1	iii) Total costs (i + ii)	10,629,84
I	Estimated profit 12,707.28 - 10,629.04 =	2,078.24

ATIAL BUDGETING HAL statement of anticipated changes in costs, returns and profitability modification. prodification and profitability modifications or minor changes in the existing modifications are alone changes in complete the modifications are alone changes in complete the modifications are alone changes in complete the farmer contemporate in modifications or minor changes in the existing of marginal analysis, wherein the changes in costs and returns and profitability that of marginal analysis, wherein the changes in costs and returns and the land analysis, wherein the changes in the existing technique is employed. It is that of modifications are alone considered. It consists of four is proposed costs, added returns, reduced returns that of margaretines are alone considered. It consists of four important and reduced costs and returns resultadded costs, added returns, reduced returns and returns result-added costs, added returns, reduced returns and reduced costs. Partial added consists of four important reduced returns and reduced costs. Partial additional costs are incurred, if the

Additional costs are incurred, if the proposed modification is the Addition of a new enterprise or increase in the size of the existing enterprise. Additional returns could be received when the proposed modificathe addition of a new enterprise, or increase in the proposed modificathe addition of technology that results in higher productivity.

Returns: Decrease in the returns is observed when the proposed modifica-Returns the elimination of an existing enterprise or reduction in the size of

breating enterprise. Costs: Decrease in the costs is found when the proposed modification the elimination of existing enterprise or reduction in the the elimination of existing enterprise or reduction in the size of the enproves the adoption of a technology that uses fewer amounts of resources.

Budget

1: Proposed modification to control tikka leaf spot in JL 24 groundnut va-

	Items		
gams Carbendazim +	Rs. 628/-	Added returns Yield 187 kg @ 12.56	Rs. 2,348.72
gams Mancozeb gams Mancozeb gard returns ul of added costs and gard returns	NIL Rs. 628/-	Reduced costs Total of added returns and reduced costs	NIL Rs. 2,348.72
change = Rs. 2,348.72-628	Rs. 1,720.72	Section .	

The expenditure on fungicides and groundnut yield in existing and alternate situans are presented below

listing situation	Alternate situation		
tontrol tikka leaf spot of groundnut thendazim 0.1% + mancozeb 0.25% 140 grams + 1000 grams = Rs. 1,257	To control tikka leaf spot groundnut carbendazim 0.1% + mancozeb 0.25° @ 600 grams + 1500 grams = Rs. 1,88		
dd = 583 kg @ Rs. 12.56 per kg.	Yield = 770 kg @ Rs. 12.56 per kg.		

The existing practice is the application of 400 grams of carbendazim and 10 of mancozeb to control tikka leaf spot in JL-24 variety of groundnut. The co of these fungicides is Rs. 1,257. The yield obtained is 583 kg of groundhur placed through an and 1,500 grams of mancozeb were applied at placed through a residue of 770 kg. The additional yield through a residue of 770 kg. The Rs. 1,720,72 of these fungicides is Rs. 1,257. The yield of mancozeb were applied at page grams of carbendazim and 1,500 grams of mancozeb were applied at page grams of carbendazim and 1,500 grams of Rs. 1,720.72. The additional yield through the grams of carbendazim at a yield of 770 kg. The additional yield through the grams of the would result in a yield of 770 kg. The additional yield through the grams of the would result in a yield of 770 kg. The additional yield through the grams of the would result in a yield of 770 kg. The additional yield through the grams of th of these fungicides is Road 1,500 grams of the additional yield through the grams of carbendazim and 1,500 grams of the additional yield through the grams of carbendazim and 1,500 grams of the additional yield through the grams of the would be Rs. 1,720.72.

is 187 kg. The increment	sunflower for groundnut:
1. 2. Substitution of	a totage situation

Example 2: Substitution of sub-		Existing situation	Alt
S. No. Particulars		Groundnut (Rs.)	Alternati
a) Human labou b) Bullock labou c) Manures d) Fertilizers e) Seed Total operational cos		1,474.00 872.00 864.00 1,164.00 2,200.00 6,574.00 @ 1212.82 11,158.00 9.86 Q @	5unn
Total operation Gross income/ha	9.20 Q	Added returns	- 101 Rs
Added costs Manures Reduced returns	Rs. 38.00 NIL	Reduced costs Human labour Bullock labour Fertilizers	
Added costs otal of added costs and reduced returns	Rs. 38.00	Seed Total reduced costs Total of added returns reduced costs = 122 + 2 = Rs. 2123	+ ,039 = R ₅

COMPLETE BUDGETING

It is a method of estimating expected income, expenses and profits for the face It is a method of estimating the subject of the sub farm business.

STEPS IN WHOLE FARM PLANNING AND BUDGETING

A systematic procedure is generally followed in making sound farm plans in success of the farm business. The sound farm plan should be generally be acceptable, and adaptable. To make the farm plan successful, the following should be adopted with relevance to a given farm and its resources.

- Statement of objective.
- Diagnosis of the existing organization.
- Assessment of resource endowment on the farm.
- Identification of enterprises to be included.
- Preparation of enterprise budgets.
- 6. Identification of risks, and
- 7. Preparation of a plan.

of Objective and their combinations, the farmer aims at maximization in the profit of the farmer may be profit maximization or cost minimization. In the other hand, while choosing resources and their decline of the lattice of the other hand, while choosing resources and their combinations, he aims amulication.

of the Existing Organization and prescription are the two important components of planning. The the existing organization of farm business carefully and identify can be taken in future. Farm plans prime can be taken and identify or defects or loopholes in the current plan. Once mistakes are identified, or use of use taken in future. Farm plans primarily prescribe remedies for the existing plan. For example, continuous monocropping is the existing plan. This should be real. the existing plan. For example, continuous monocropping is considered, growing pulses and legumes at point in the existing plan. This should be replaced by an appropriate crop point in the growing pulses and legumes after a cereal crop to increase soil reduce the incidence of pests and diseases. Non-adherence soil reduce the incidence of pests and diseases. Non-adherence of the and reduced package of practices is also a serious lapse on the part of the farmers in heavy monetary loss. This should be appropriately used to heavy loss. monded party monetary loss. This should be appropriately weighed in the of the plan. Poor drainage leads to heavy crop loss in certain farming Hence, this problem should be carefully viewed in formulating the farm plans.

isessment of Resource Endowment on the Farm

Here there is a need to spell out the land holding area, type of land i.e., wet dry land, crops grown, type of soils available, topography, texture, fertility drainage, soil and water development, soil and water conservation methods, I the land is sloppy, conservation practices are very essential. If the farmer has any conservation measures, we have to specify the costs of such measures If the soil is having drainage problem then measures taken up by the farmer mindicated. If the soils are highly fertile high-income crops are grown. Thus ention of the crops particularly high yielding varieties and relevant package of the should be based on type of the soil. Assessment regarding plant nutrients nd minerals present in the soil should be taken up with the help of soil testing bratories and recommendations should be made with regard to the use of NPK of micronutrients. If the soil is acidic or alkaline, then corrective measures should willowed consulting the soil scientists.

The extent of family labour available with the farmer viz., women, men ad children along with their age, household work and farm work done by them haid be indicated. Permanent labourers if any engaged by the farmer, type of son done and amount of remuneration paid should be indicated. Perquisites men to the permanent labourers are also added to the remuneration. Labour reply, in the village and demand for labour for different crops in different seasons could be assessed. The actual wage rates paid for different kinds of labourer midering the peak and slack seasons should be indicated. Peak periods of labour and wage rates should be included. Assessment of supply and deman to table labour and machine labour for each type of crop in different season be done realistically. The supply position with reference to livestock should a assessed correctly.

Capital: (i) Working Capital: Working capital required for raising crops should Owned funds available and the amount of funds borrowed, from diffe

ent sources, interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified. Specification of the sources interest paid, etc. need to be clearly specified in the sources. ent sources, interest paid, etc. need to be also required. (ii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (ii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (ii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (ii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (ii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (ii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (iii) Fixed Callenter ment dates, terms and conditions, etc., is also required. (iii) Fixed Callenter ment dates, terms and conditions, etc., is also required. ent sources, interest par conditions, recommendations, farm equipment, farm buildings, farm eq ment dates, terms on farm building in farming, his expertise, his

relates to information. The farmer's knowledge as potential technology should be devised in adapting new potential technology should be devised if farming and confidence in adapting farm plans should be devised. If the control is this information relevant farm plans should be devised. If the control is this information relevant farming and confidence in adapting plans should be devised. If the control is the control is the control in the control is the control in the control is the control in the control in the control is the control in the Organization: The farm of adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised. If the farming and confidence in adapting new plans should be devised if the farming and confidence in adapting new plans should be devised. If the farming and confidence in adapting new plans should be devised in the farming and confidence in adapting new plans should be devised. If the farming and confidence in adapting new plans is the farming new plans in the farming new plans in the farming new plans is the farming new plans in the farming new farming and confidence to the farmin

risk-averse, farm parties atted atted atted atted atted availability of different sources of irrigation, area covered atted atted attended for irrigation water, accessibility of land attended for irrigation water, accessibility of land attended for irrigation water, accessibility of land attended for irrigation water. ated Irrigation Source: Availability of different accessibility of land to the different sources, period of availability of accessibility of land to the branch as canal and tank, etc., should also be indicated. In additional addition available, crop demands for irrigation and also be indicated. In addition needs to be mentioned. cost of irrigation needs to be mentioned.

4) Identification of Enterprises to be Included

List of enterprises not only grown by the farmer but also enterprises grown List of enterprises not only grown by the farmer but also enterprises grown List of enterprises not only grown by the farmer but also enterprises grown List of enterprises grown by the farmer but also enterp List of enterprises not only grown by the List of enterprises not only grown by the list of enterprises not only grown by the country of enterprises are identified. Estimate the input-output country area and also crop rotations are identified. Estimate the input-output country area and also crop rotations are identified. area and also crop rotations are lucential area. terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of acre or hectare or head of the terms of the terms of acre or hectare or head of the terms of the out the costs and returns,

5) Preparation of Enterprise Budgets

Estimate the income, costs and profitability of each enterprise to be included. Estimate the income, construction of enterprise budgets facilitates comparison of profitable different enterprises.

6) Identification of Risks

We should list out all types of risks viz., production risk, weather risk, techniques of the state of the farmer o cal risk, institutional risk, marketing risk, etc., faced by the farmers. Particular incidence of pests, rodents and diseases, frequency of drought occurrence over evelones, floods and their havoc caused to farm production should be kept a in formulating relevant alternative farm plans. Marketing risks comprising a emanating from price fluctuations and failure of markets to arrest the malpraga middlemen should be indicated.

7) Preparation of a Plan

Here the first step is identifying the most scarcest resources and selecting enterprise which yields maximum returns per unit of scarcest resource. This prois repeated till all the scarce resources are put to the best use which results in opcombination of the enterprises.