value, provided their expected values are the same. Similarly alternative enterprise with lowest variance should be selected.

MEASURES TO MANAGE FARM RISK

1. Diversification

Selection of suitable crop and livestock enterprises is the first step in diversification. Through diversification process, the farm entrepreneur produces several product rather than single product with the hope that when the returns from one enterprise low, it is compensated by the higher returns from the other enterprise. Three diversification process we see that idle resources are put to use and income variable of the enterprises is reduced. This means the farmer should select enterprises in cropping scheme with less income variability. Income variability for the enterprise would be lessened through diversification, if the following relationships among and yields of products were established. If the prices and/or incomes of the enterprise have correlation nearer to + 1, then such enterprises should not be included in the correlation of the enterprise should not be included in the correlatio

process. If the correlation coefficient is negatively significant, then the must be selected as the most suitable one to reduce the variability. only prises with zero correlation coefficient are the most suitable enterprises, for a cropping scheme. of the cropping scheme.

The complete the most suitable enterprises, for the cropping scheme.

The complete the most suitable enterprises, for the cropping scheme. glected in the cropping scheme.

sk programming models and game theory models should be used to formulate programment under different risky situations. If enterprises are selected based on farm plans over time in risky environment, the decision rule is to select the enterprises their highest expected income. When the probabilities for the enterprises are not their planted, then assume equal probability for all the outcomes and the enterprise are not planted income is selected. When the farming it is a selected income is selected. highest expected income is selected. When the farming is subjected to high risky highest critical strategy should be adopted under such condition to select the with minimum net returns. Stable enterprises should be preferred rather of risky enterprises particularly in situation of farm risks.

Insurance

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We have many types of insurances in farming to reduce production risk and micial risk. Crop insurance scheme reduces production risk. Livestock insurance wides safety against the fatal diseases of cattle. Farm assets are insured against burglary, fire or any other damage. The decision whether to go for insurance not is judged by the following equation.

$$t = F(0 - r) - P$$

= Profit obtained by going for insurance.

F = Financial reserve required.

0 = Opportunity cost for financial resource in terms of %.

r = Interest earned on financial reserves.

P = Insurance premium paid by the farmer.

If $\pi > 0$, it is desirable for the farm to go for insurance i.e., the returns from the issurance policy are more than the cost and similarly, if $\pi < 0$, it is worthless to do surance.

Agronomic Practices

To reduce production risk, crop rotations, suitable varieties, deep tillage, mulch-& etc., should be adopted.

Market Risk Management

frommodity prices are changing to a greater degree, then the price risk arising market is more. Following are the methods proposed to reduce the marketing

Selling the Farm Products at Different Points of Time: Due to financial obligations, larmers sell their produce immediately after the harvest. During the harvesting periods generally prices will be low for commodities in the market due to large arrivals. Such sales at harvest period are said to be distress sales. If the farmers avoid such sales at harvest period are said to be distress for their products. he knowled such sales at harvest period are said to be distress such selling practices, they can get remunerative prices for their products. The knowledge regarding supply and demand for the farm products and prices prevailing in different markets and other market information is perishable commodities, storage facilities, freezing facilities, processing etc., are required to get remunerative prices. Hedging is another measure by the farmers and the traders to safeguard against price-risk. Hedging in devised and followed by studying the future markets.

(ii) Government Price Polices and Programmes: Minimum support price, proceed price, levy price, issue price, etc., are set for various agricultural common the Government every year to bring about price stabilization. Support private vides protection for the farmers against fall in the prices of farm production.

5. Financial Risk Management

For reducing the financial risk we require many strategies, which are in liquidity and solvency of the farm business. Solvency by definition refers to be ability to meet the long-term financial requirements of the farm. Liquidity strategies should aim at as to how to build up the farm business to meet the short-term requirements. At macro level fiscal policies formulated by RBI are aimed attivide different measures to safeguard against the financial risk.