

PRODUCTION GUIDE ON SUPER SWEET CORN

Recommended Varieties

SUGAR 73, 75

68-70 DAP (Maturity)

CROPPING SEASON

This variety of sweet corn is not the usual sweet corn. It is a hybrid variety. It produces almost the same sizes of ears, resistant to pests and the sweetness remains for 3 days. It tolerates heavy rain, unless flooded and during dry season thus it is called “all season variety”.

SOIL REQUIREMENT

Sweet corn grows in different kinds of soil but good drainage should be assured to avoid water logging that may damage any plant roots. However, loam soil is preferred for better results.

LAND PREPARATION

The land should be thoroughly prepared by plowing and harrowing to be pulverized and in order to obtain “good soil tilth”. The soil should be fallowed for at least 2 weeks for the weeds to decompose. Plowing should be done with 15-30 cm depthness:

Heavy Soil (clay soil)- - - - - 2x plowing, 2x harrowing

Medium to light (sandy to silty clay) - - - - 1 plowing, 2x harrowing

PLANTING

Planting is done with the distance 75 cm between rows and 20 cm between hills, sowing one seed per hills, sowing one seed per hill with the depth of 2 cm. Seed will be covered thinly with soil. The area of 1,000 sq. m. contains 5,000 corn plants or 50,000 corn plants per hectare.

FERTILIZATION

The soil must be analyzed by the Bureau of Soil for appropriate fertilizer recommendation. However, without analysis, the recommended rate is used: basal application of 4 bags of 14-14-14 per hectare will be applied in the furrow before sowing the seed and be covered thinly with soil to avoid seed to contact with the fertilizer.

Second application or sidedressing should be done 25 DAP using 2 bags of urea per hectare. Third application: 2 bags of urea (45-0-0) per hectare at 45 DAP.

IRRIGATION

If the soil is not enough, irrigation should be done to obtain soil moisture up to 5 cm depth. This will be done 7-10 days interval and at 2-5 days before fertilization.

PEST CONTROL

In order to control pests, mix 1 bag of Furadan 3G fertilizer during basal application. As precautionary measures, wear hand gloves or use any protective covering to avoid having direct contact with the chemicals. Inspect the field everyday and spray Vertex or Basudin 400 EC if pest occurs. Repeat every 10 days. Seeds are coated with insecticide and fungicide to prevent Downy Mildew. These varieties are also resistant to blight and leaf rust.

WEED CONTROL

Spray 1-2 liters of Herbadox to control Aguingay and 1-2 kg gesaprim 80WP for broadleaves, sedges and other grasses that cannot be eradicated by herbadox. These herbicides should be sprayed 1-2 DAP. However, weed control should have started during thorough land preparation in order to attain a clean field up to 30-40 DAP.

HARVESTING

Harvesting should be done 68-70 DAP or 20 days after silking. It should be done early in the morning until 9:00 in the morning and at 4:00 in the afternoon to avoid losing its sweetness. This is also true and applicable to type of sweet corn.

COST AND RETURN ANALYSIS ON SUPPER SWEET CORN PRODUCTION

ACTIVITIES	UNIT	QUANTITY	COST/UNIT	TOTAL
1. Operating Expense:				
1.1 Labor (Land Preparation)				
Plowing	Pass	4	500.00	2,000.00
Harrowing	Pass	2	500.00	1,000.00
Furrowing	MAD	2	250.00	500.00
Planting	MD	10	120.00	1,200.00
Cultivation	MD	4	120.00	480.00
Fertilizer Application	MD	5	120.00	600.00
Off-bearing Up	MAD	8	250.00	2,000.00
Harvesting	MD	20	120.00	2,400.00
				10,180.00
1.2 Material Inputs				
Seeds	Kg.	10	1,250.00	12,500.00
Fertilizer: 14-14-14	Bags	4	800.00	3,200.00
45-0-0	Bags	4	850.00	3,400.00
Chicken Dung	Bags	30	100.00	3,000.00
Lime	Bags	40	100.00	4,000.00
Insecticides: Granular	Bags	2	1,500.00	3,000.00
Liquid	Liter	1	1,200.00	1,220.00
Fuel Cost	Liter	200	30.00	6,000.00
				36,320.00
1.3 Land Rental				2,000.00
TOTAL PRODUCTION COST				48,500.00
2. Gross Income (50,000 Ears)				
42% 1 st class	Ears	21,000	6.00	126,000.00
34% 2 nd class	Ears	17,000	4.50	76,500.00
24% 3 rd class	Ears	12,000	3.00	36,000.00
TOTAL INCOME				238,500.00
NET INCOME				190,000.00

$$ROI = \frac{\text{Expended Income} - \text{Expenses}}{\text{Expenses}} = \frac{\text{Net Income}}{\text{Expenses}} = \frac{190,000.00}{48,500.00}$$