KNOWLEDGE TRANSFER

EAST-WEST SEED
FOUNDATION

Crop Guide
SWEET CORN

• Land Preparation

» Narrow paths help with irrigation and drainage
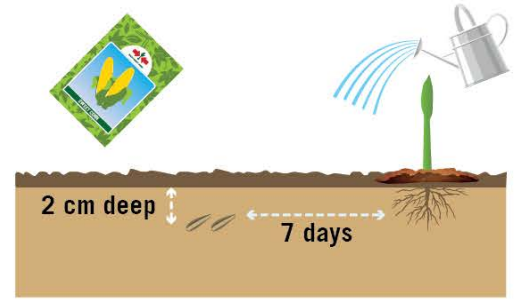» 45,400 plants/hectare (adjust according to the variety and season)

ENGLISH

Every 2 m, incorporate into soil 50 g 15:15:15 + 3 kg manure before sowing
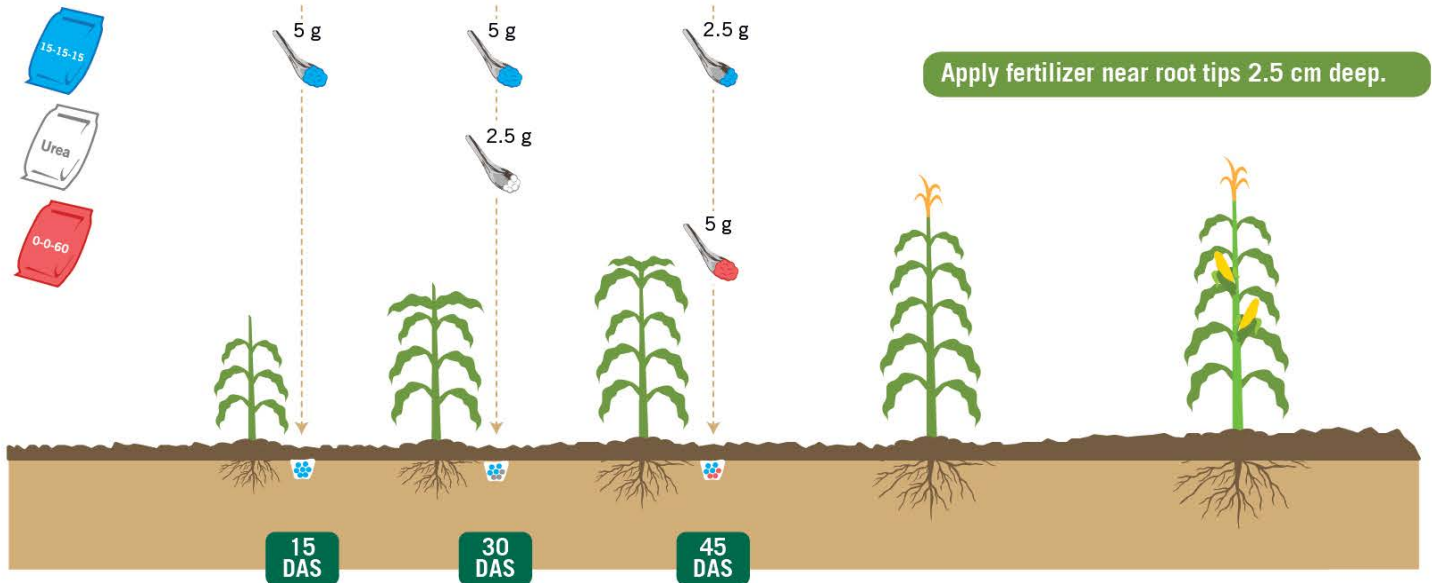
30 cm

50 cm

1 m wide, 30 cm high (20 cm in dry season)

Sowing

» Plant 1-2 seeds per space (thin to one plant when 4" tall) for better quality cobs

» If one seed per space, prepare a tray of seedlings to top of empty spaces

2 cm deep
7 days

Fertilizer Application

15-15-15

Urea

0-0-60

5 g
5 g
2.5 g

2.5 g

5 g

Apply fertilizer near root tips 2.5 cm deep.
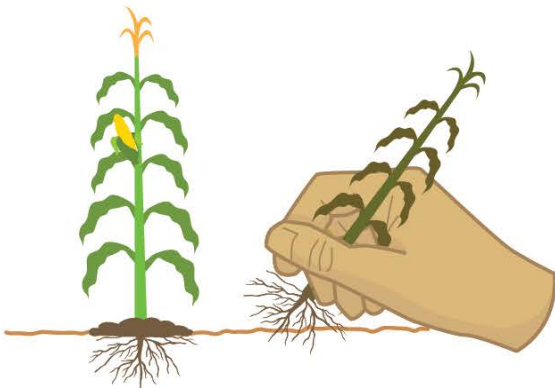
15 DAS
30 DAS
45 DAS

Recommended amount based on crop optimum nutrient requirement and plant population of 45,400 per hectare. Adjust application according to season, soil conditions and plant growth status.

Integrated Pest Management

» Use sticky traps to monitor and mass trap insect pests

To prevent infection from spreading, sick plants, old crops and weeds must be removed and destroyed.

Crop rotation prevents build up of insect pests and diseases and restores soil fertility.

• Integrated Pest Management and Safe Use of Pesticides

» **Alternate MoA groups to prevent resistance**
» **Always read pesticide label and intended use (registered crop and pest)**

Kinds of Insects

Aphid

Caterpillar

Active Ingredient	MoA	Action	Aphid	Caterpillar
Lambda-cyhalothrin	3A	SC	✓	✓
Dinotefuran	4A	S	✓	
Spinosad	5	S		✓
Spinetoram	5	SC		✓
Abamectin	6	SC (slight S)		✓
Thiocyclam oxalate	14	SC	✓	
Chlorantraniliprole	28	S		✓
Flubendiamide	28	S		✓
Bacillus thuringiensis	11A	C		✓
Azadirachtin (neem extract)	UN	unknown	✓	✓

Mode of Action (MoA) based from IRAC; SC (Stomach + Contact); S (Systemic)

Kinds of Diseases

Rust

Corn Leaf Blight

Downy Mildew

Active Ingredient	MoA	Action	Remarks	Rust	Corn Leaf Blight	Downy Mildew
Copper-based Fungicides	M 01	P		✓	✓	✓
Chlorothalonil	M 05	P		✓	✓	✓
Mancozeb	M 03	P		✓	✓	✓
Azoxystrobin	11	P + C	Maximum 4 times per crop cycle	✓	✓	✓
Propamocarb	28	P + C			✓	✓
Cymoxanil	27	C	Tank mixed with preventive (Chlorothalonil or Mancozeb)			✓
Metalaxyl	4	P + C	High risk of resistance (only use 2 times per season)			✓
Bacillus subtilis	BM02	P			✓	✓

Mode of Action (MoA) based from FRAC; P = preventive (only effective when disease symptoms have not appeared yet), C = curative

❶ **Wear protective gear**

❷ **Good weather**

❸ **Good nozzle**

❹ **Wash after spraying**

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