



Crop Guide

SWEET CORN

• Land Preparation

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



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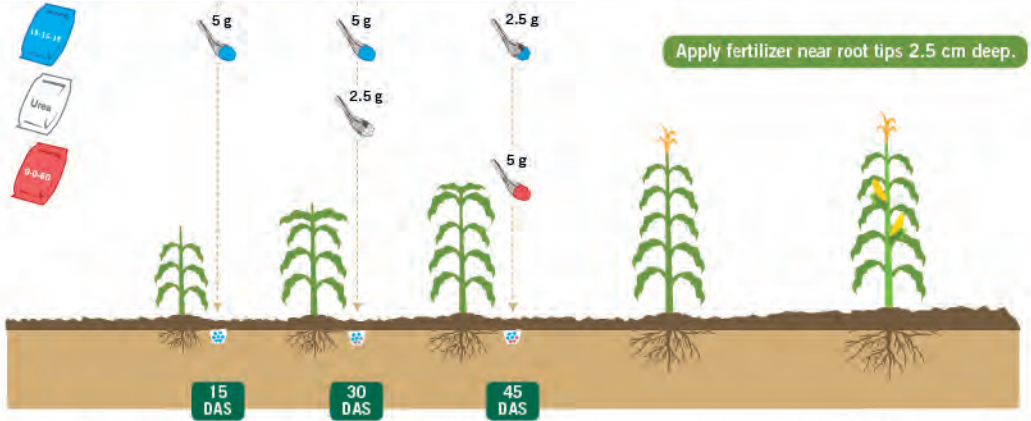
• Sowing



- » 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



• Fertilizer Application



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 | | ✓ |
| <i>Bacillus thuringiensis</i> | 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) | | | ✓ |
| <i>Bacillus subtilis</i> | BM02 | P | | | ✓ | ✓ |

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

- 

Wear protective gear
- 

Good weather
- 

Good nozzle
- 

Wash after spraying



KNOWLEDGE TRANSFER

<https://growhow.eastwestseed.com>

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Agrochemical recommendations have been developed in cooperation with Wageningen University & Research