



Crop Guide

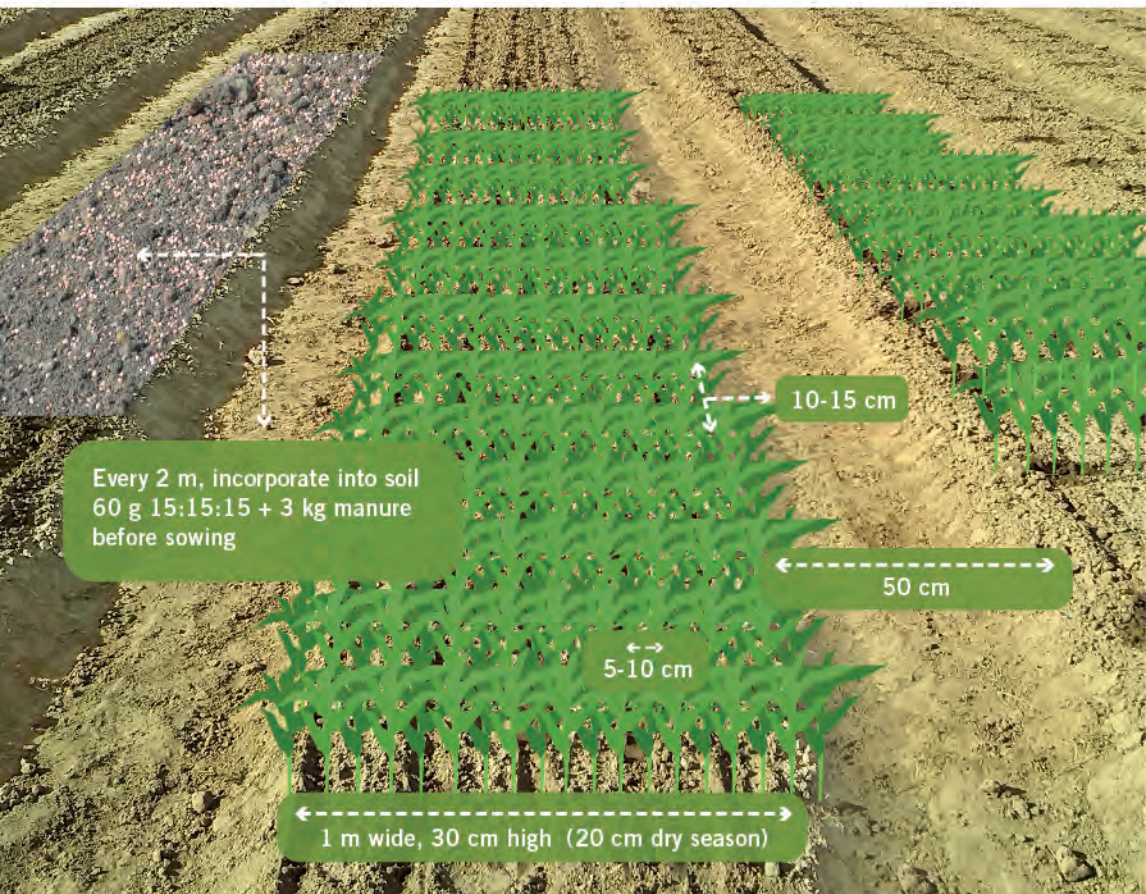
KANGKONG

• Land Preparation

- » Narrow paths help with irrigation and drainage
- » 450,000 - 1,350,000 plants/ha
(adjust according to the variety and season)

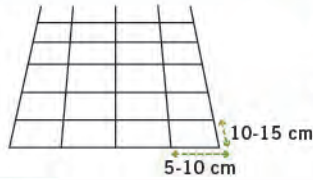


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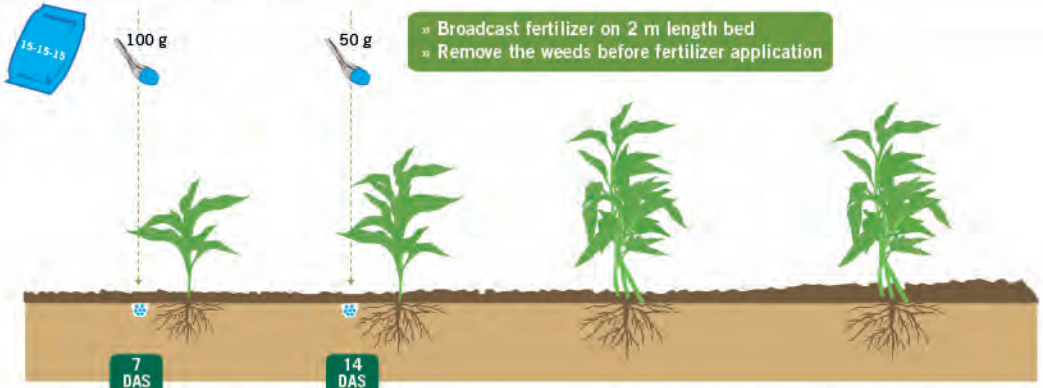


• Sowing

- » Make rows and planting distance (using stick)
- » Sow seeds thinly
- » Do thinning, when necessary



• Fertilizer Application



Recommended amount based on crop optimum nutrient requirement and plant population of 450,000 - 1,350,000 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
- » Avoid the use of pesticides for leafy vegetables. If necessary, reduce spraying one week before harvest
- » Always read pesticide label and intended use (registered crop and pest)

Kinds of Insects



Caterpillar

Flea Beetle

Leafminer

Active Ingredient	MoA	Action	Caterpillar	Flea Beetle	Leafminer
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	✓	✓	✓
<i>Azadirachtin (neem extract)</i>	UN	unknown	✓	✓	✓

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

Kinds of Diseases



White Rust

Active Ingredient	MoA	Action	Remarks	White Rust
Copper-based Fungicides	M 01	P		✓
Chlorothalonil	M 05	P		✓
Mancozeb	M 03	P		✓
Azoxystrobin	11	P + C	Maximum 4 times per crop cycle	✓

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

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