KNOWLEDGE TRANSFER
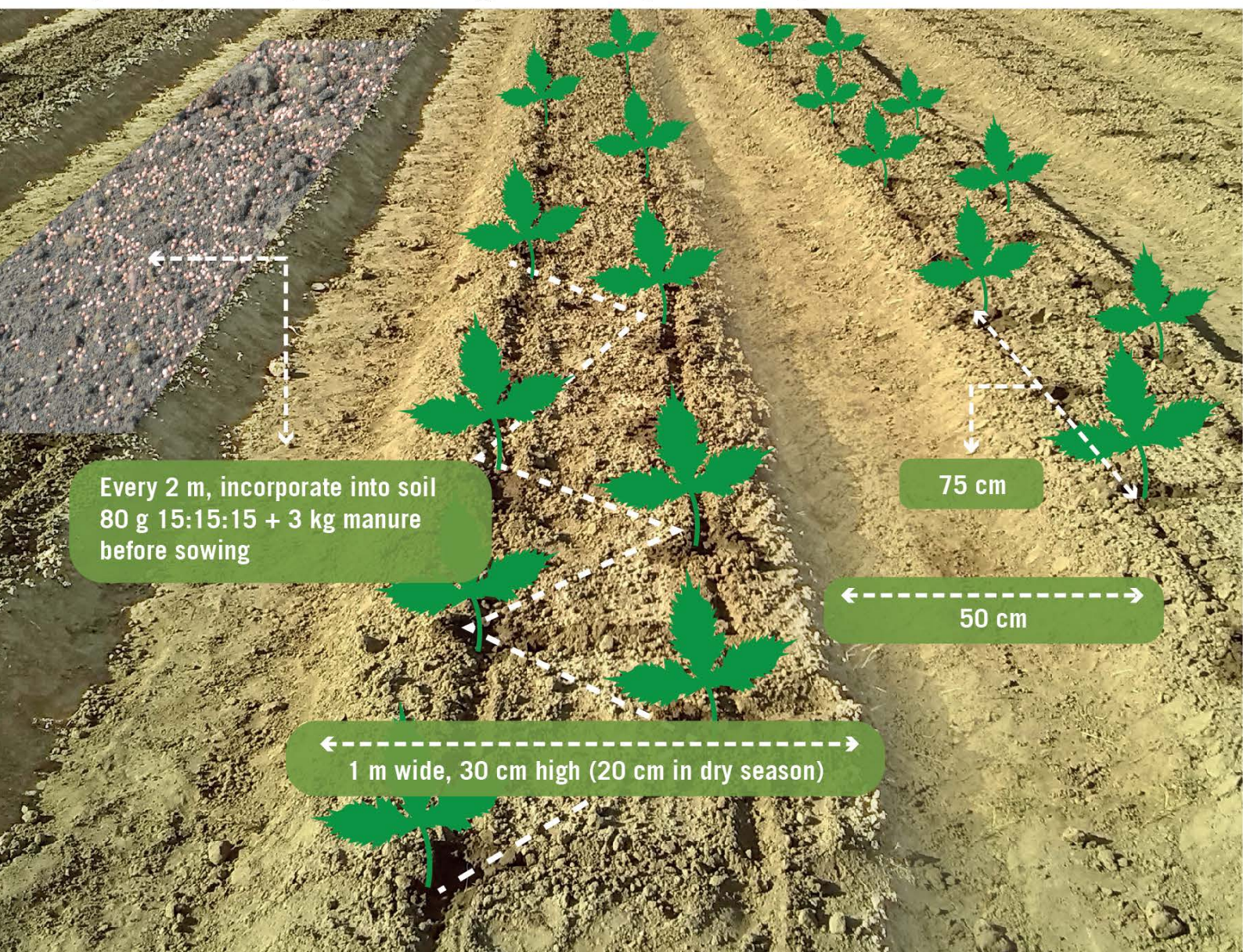
EAST-WEST SEED FOUNDATION

Crop Guide
OKRA

• Land Preparation

» Narrow paths help with irrigation and drainage
» Organic or plastic mulch may be installed to conserve soil moisture and minimize weed growth
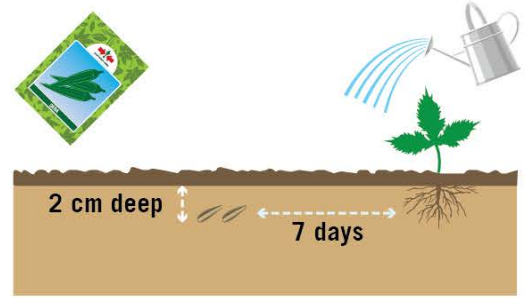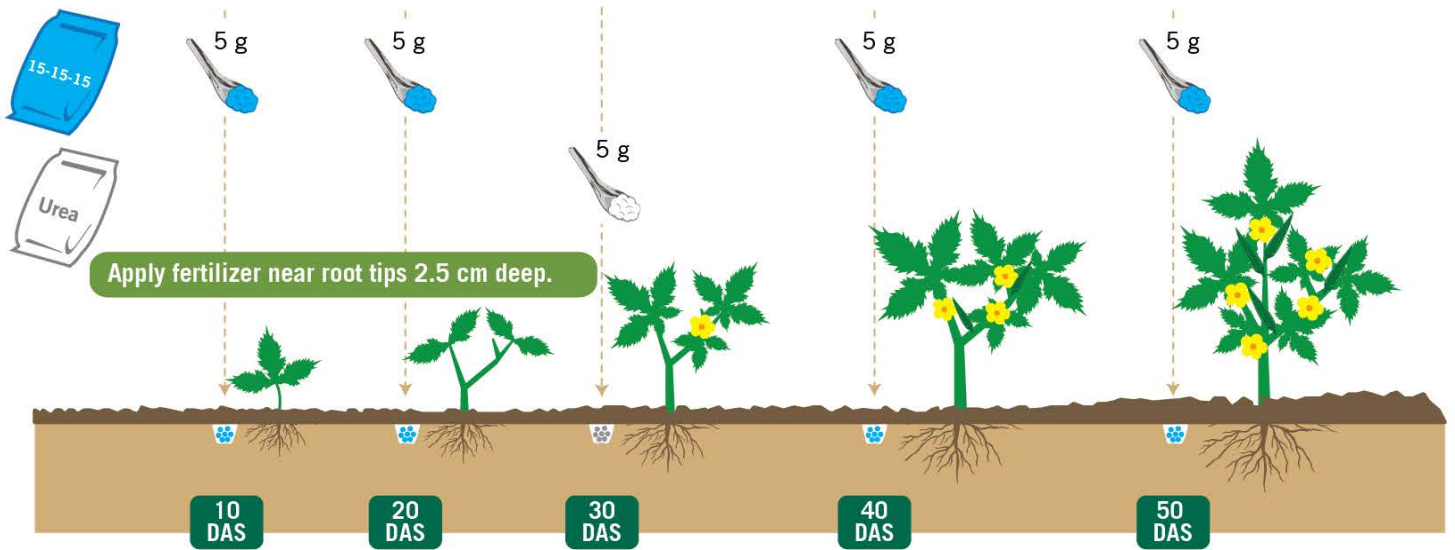» 17,700 plants/ha (adjust according to the variety and season)

ENGLISH

Every 2 m, incorporate into soil 80 g 15:15:15 + 3 kg manure before sowing

75 cm

50 cm

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

• Sowing

» Plant 2 seeds per space and then thin to one plant when 10 cm tall

2 cm deep

7 days

• Fertilizer Application

15-15-15

Urea

5 g   5 g   5 g   5 g   5 g

Apply fertilizer near root tips 2.5 cm deep.

| 10 DAS | 20 DAS | 30 DAS | 40 DAS | 50 DAS |

Recommended amount based on crop optimum nutrient requirement and plant population of 17,700 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	Whitefly	Caterpillar	Leafminer

Active Ingredient	MoA	Action	Aphid	Whitefly	Caterpillar	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			✔	
Bacillus thuringiensis	11A	C			✔	
Azadirachtin (neem extract)	UN	unknown	✔	✔	✔	✔

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

Kinds of Diseases

		Powdery Mildew	Virus

Active Ingredient	MoA	Action	Remarks	Powdery Mildew	Virus
Copper-based Fungicides	M 01	P		✔	Use resistant varieties or disease-free seeds
Chlorothalonil	M 05	P		✔	
Mancozeb	M 03	P		✔	
Azoxystrobin	11	P + C	Maximum 4 times per crop cycle	✔	Manage insect vectors like whitefly
Bacillus subtilis	BM02	P		✔	

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

1 Wear protective gear

2 Good weather

3 Good nozzle

4 Wash after spraying

KNOWLEDGE TRANSFER

EAST-WEST SEED
FOUNDATION

WAGENINGEN
UNIVERSITY & RESEARCH