

GUIDELINE FOR 1 HA OF SUGAR BEANS

Seed requirements: Require 100 kgs of seed/Ha. Plant spacing of 60 - 75cm interrow x 10 - 20cm inrow

Soil Ph: Requires a Ph range of between 5.8 - 6.3. General field beans have sensitivity to salts and magnesium deficiency

Time of Planting: Late December to March & then In August especially as an irrigated crop

Plant population: About 300 000 - 400 000 plants per hectare

Yield target: Sugar beans its between 2 - 3 tones per hectare depending with the variety and good agronomic practices (GAPS)

It is NOT advisable to apply Boron to beans unless specific recommendations indicate severe boron deficiencies

Fertilizer requirements		Product	Quantity/Ha	Comments/Remarks
Basal Dressing	Agricura Comp D	7:14:7 9S	300kgs	All applied at planting
Top dressing	A/Nitrate	AN (34.5% N)	100kgs	Applied 3 - 4 weeks after planting
Herbicides, Pesticides and Fungicides				
Problem	Product	Rate/Spray	Application / Comments	
Annual grasses & some B/L weeds	Alachlor	240mls	Pre-emergent, for grasses, B/L weeds, supression for nut sedges	
	Command 4 EC	120mls	Pre-emergent. Apply immediately after planting	
	Metolachlor	80 - 120mls	Pre-emergent. Apply immediately after planting	
Broadleaf weeds	Basagran	225mls	Post emergent to broad leaved weeds. Use higher rates for controll of sedges	
Grasses only	Agil	80 - 120mls	Post emergent to grasses. Higher rates for perennial grasses.	
	Gallant Super	100 - 300mls	Post emergent to grasses. Higher rates for perennial grasses.	
Cutworms	Lambda	16 - 20mls	Band Spray at planting or soon after emergence. You may mix with herbicides	
Bean stem maggot	Diazinon	15mls	Repeat spray applications at 3, 6, 13, and 20 days after germination.	
Aphids & Red Spider Mites	Thunder	30mls	Dilute 300 mls per 200 litres of water. Apply at first sign of infestation	
	Diazinon	15mls	Diazinon may controll bean stem maggots, aphids and Red Spider Mites as well	
	Dimethoate	15 ml	Dilute 75 mls per 100 litres of water and repeat after evry 14 days or as necessary	
	Malathion	30grms	Dilute 250 grams per 100 litres of water and repeat as necessary. Alternate products	
General insects	Carbaryl	45 - 60 grms	Dilute 625 grams to 1 kgs per 200 litres of water when infection is noticed	
Heliothis, Boll worms,	Malathion	30grms	Mix 500 grams per 200 litres of water when infection is noticed & repeat as necessary	
Crickets, Leaf eating caterpillars, semi-loopers, CMR beetles	Cartap	50grms	Dilute 400 grms in 100 litres of water. Do not exceed 2 kgs per season	
	DDVP	20mls	Dilute 100 mls per 100 litres of water & repeat as necessary	
	Ampligo	16mls	Dilute 150 - 200mls per 200 litres of water, about 2 sprays per season	
Anthracnose, Scab	Dithane	45grms	Mix 600 grams per 100 litres of water and repeat after every 14 days	
Bacterial Blight,	Copper oxy	60 g	Mix 700 grams in 100 litres of water and repeat after every 14 days. Alternate products	
Rusts, Leaf Spots	Tebuconazole	30mls	Apply as both preventative and curative measure when signs of infection first appear	
	Bravo	100-120mls	Apply as both preventative and curative measure when signs of infection first appear	
	Propiconazole	30mls	Apply as both preventative and curative measure when signs of infection first appear	
Seed Dressing	Thiram		Seed dressing	170grms

Approximately 12.5 x 16 litre knapsacks will cover 1 hectare and apply 200 litres of water

ALWAYS READ LABELS BEFORE USING THE PRODUCTS

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