

SUGAR BEANS GUIDELINE FOR 1 HA

Seed: 100 kg per hectare. Plant spacing: 60-75 cm between rows and 10-20 cm within rows.

Soil pH: 5.8-6.3. Field beans are sensitive to salts and magnesium deficiency.

Planting: Late December to March and in August for irrigated crops.

Plant Population: 300,000-400,000 plants per hectare.

Yield Target: Sugar beans yield 2-3 tonnes per hectare, depending on variety and good agronomic practices (GAPs). Do not apply boron to beans unless there is a severe deficiency.

FERTILIZER REQUIREMENTS		PRODUCT	QUANTITY/HA	COMMENTS/REMARKS
Basal Dressing Top dressing	Compound D Ammonium Nitrate	7:14:7 9S AN (34.5% N)	300kgs 100kgs	All applied at planting 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, suppression 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 control 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 control bean stem maggots, aphids and Red Spider Mites as well	
	Dimethoate	15mls	Dilute 75 mls per 100 litres of water and repeat after every 14 days or as necessary	
	Malathion	30g	Dilute 250 grams per 100 litres of water and repeat as necessary. Alternate products	
General insects Heliothis, Boll worms, Crickets, Leaf eating caterpillars, semiloopers, CMR beetles	Carbaryl	45 - 60 grams	Dilute 625 grams to 1 kgs per 200 litres of water when infection is noticed	
	Malathion	30g	Mix 500 grams per 200 litres of water when infection is noticed & repeat as necessary	
	Cartap	50g	Dilute 400 grams 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 Bacterial Blight, Rusts, Leaf Spots	Dithane	45g	Mix 600 grams per 100 litres of water and repeat after every 14 days	1.5kgs
	Copper oxy	60 g	Mix 700 grams in 100 litres of water and repeat after every 14 days. Alternate products	1.5 kgs
	Tebuconazole	30mls	Apply as both preventative and curative measure when signs of infection first appear	500mls
	Bravo	100-120mls	Apply as both preventative and curative measure when signs of infection first appear	1 - 2l
	Propiconazole	30mls	Apply as both preventative and curative measure when signs of infection first appear	500mls
Seed Dressing	Thiram		Seed dressing	170g

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

ALWAYS READ PRODUCT LABELS BEFORE USE

Website: www.reliantag.co.zw, Email: info@reliantag.co.zw

Prepared by Macdonald Makombe Call/App 0779405797