

### PAPRIKA PRODUCTION GUIDELINES FOR 1 HECTARE

**Seed:** Up to 2 kg per hectare for direct seeding. A 120 square meter seedbed is needed to raise seedlings for one hectare.

**Plant Population:** 55,000-65,000 plants per hectare, increasing to 60,000-70,000 for late-planted crops.

**Spacing:** 0.3-0.4m between rows and 0.1-0.2m within rows. Use closer spacing for late-planted crops.

**Planting Time:**

*Transplanting:* September to late November, Direct Seeding: September to early December. Early crops need irrigation.

*Growing Period:* Paprika needs about seven months to reach full potential.

**Fertilization:** Soil analysis is crucial. Paprika is shallow rooted, requiring frequent, split top dressings.

**Note:** Some products in this guideline may not be officially registered for Paprika but are used successfully. Verify acceptable products and application timing with buyers to avoid issues with MRLs and Global GAPs.

**Yield:** Generally, 2-3 tons per hectare, up to 12 tons per hectare with increased fertilization and good agricultural practices (GAPs).

FERTILIZER REQUIREMENTS		PRODUCT	RATE/HA	APPLICATION DETAILS	
Base dressing	Compound L	(4:17:11)	600kgs	All at planting	
Top dressing	Ammonium nitrate	A/N 34.5%	300kgs	At 5,10 & 14 weeks	
Top dressing	Muriate of Potash	MOP (60% K20)	200kgs	At 5,10 & 14 weeks	
Top dressing	Calcium sulphate	Gypsum	400kgs	Apply before flowering	
HERBICIDES, FUNGICIDES, INSECTICIDES					
Problem	Product	Application rate		Application / comments	Product for 1 ha
Grasses & Broadleaf weeds	Kalif/Clomazone	1.75l/ha		Apply Immediately after transplanting	1.75l
	Alachlor/Laso	3.0 - 4.0l/ha		Apply Immediately after transplanting	3 - 4l
	S-Metolachlor/Dual	1.2l/ha		Apply Immediately after transplanting	1.2l
Grasses only	Gallant super	0.6 - 2.4l		Post emergent herbicide against grasses ONLY.	0.6 - 2.4l
	Agil	0.5 - 2l		Post emergent herbicide against grasses ONLY.	0.5 - 2l
B/Ls & Sedges	Basagran/Bentazone	2.0 - 3.0 l/ha		Post emergent directed spray between the rows	2 - 3l
Crop desiccation	Glyphosate/Roundup	2.5 - 3.0l/ha		Up to 21 days for defoliation	2.5 -3l
Aphids	Thunder	0.3l/ha		Apply as a high-volume spray using about 250l of mixture/ha	0.3l
	Dimethoate	0.2l/ha		Apply as a high-volume spray using about 250l of mixture/ha	0.2l
Cutworms	Lambda cyhalothrin	0.1l/100l of water		Drench with cup 30 per plant	0.2l 0.2l
	Fenvelerate	0.1l/100l of water		Drench with cup 30 per plant	
Heliothis bollworm	Lufenuron 50EC	0.3l/100l of water		Spray at onset of infestation on hatching eggs. Repeat as necessary	0.6l
	Thunder	0.3l/ha		Apply as a high-volume spray using about 250l of mixture/ha	0.3l
	Use Lambda cyhalothrin & Fenvelerate as above. ALWAYS OBSERVE & RESPECT THE PYRETHROID WINDOW				
Aphids & Thrips	Malathion 25wp	1.5 -2kgs/ha		Apply as a high-volume spray in about 500 litres of mixture per hectare	1.5 -2kgs

Red Spider Mites	Mitac 20EC Dicofol 18.5EC	1 - 1.5l/ha 0.5l/ha	Apply as a high-volume spray in about 500 litres of mixture per hectare Apply as a high-volume spray in about 500 litres of mixture per hectare	1l 0.5l
Anthracnose	Chlorothalonil/Bravo Dithane	1l/ha 1kg/ha	Apply as a full Cover Spray, Repeat as necessary at 10 -14-day intervals Apply as a full Cover Spray, Repeat as necessary at 10 -14-day intervals	2l 1kg
	Copper Oxychloride	1kg/ha	Apply as a full Cover Spray, Repeat as necessary at 10 -14-day intervals	1kg
Bacterial spot	Copper Oxychloride	1.5kg/ha	Apply as a full Cover Spray, Repeat as necessary at 10 -14-day intervals	1.5kg
Powdery	Wettable Sulphur	1kg/ha	Apply as a preventative treatment only, Mix 200 g/100 l water	1kg
Mildew	Benomyl 50wp	0.5kg/ha	Apply as a curative measure, Apply 500l of mixture per ha	0.5kg
<p>Apply foliar sprays with calcium-based fertilizers to curb blossom end rot since it is a calcium-based deficiency, you also need to apply a growth stimulant</p> <p><b>As highlighted above Paprika has just a few registered products, these products are only suggestions as they have been working effectively for most growers to date.</b></p> <p><b>THIS IS NOT AN ORDER.</b></p> <p>By this being a food crop please strictly adhere to Pre-Harvest Intervals (PHI's) or else you risk your crop being condemned</p>				

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

**ALWAYS READ PRODUCT LABELS BEFORE USE**

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