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Crop Guide – Potatoes

PLEASE REMEMBER TO ALWAYS READ THE LABEL BEFORE USING ANY CHEMICAL

Fertilizer Program

GROWTH STAGE	Gypsum	Kyno Pop	10.24.20	M.A.P Tech	Calcium Nitrate	Mag Sulphate	Veggie Grow	Enermax	Kyno Plus	Pot Nitrate	N	P2O5	K2O	CaO	MgO	S	B
Pre-Planting	1500kg/ha													345		180	
Planting		10kg/ha	1200kg/ha								120	312	240			60	1.8
At Tuber Initiation				2kg/ha			3kg										
4-5 weeks after Emergence					200kg		3kg				31			53			0.6
6 weeks						7kg	3kg		100kg/ha		46						0.1
8 weeks							3kg	0.5kg/ha		150kg/ha	19.5		57				0.23
10 weeks							3kg	0.5kg/ha		150kg/ha	19.5		57				0.23
Totals	1500kg/ha	10kg/ha	1200kg/ha	2kg/ha	200kg	7kg	9kg	3kg/ha	100kg/ha	300kg/ha	236	312	345	398	0	240	2.96



Chemical Program

TARGET PEST / DISEASE	PRODUCT FOR CONTROL	ACTIVE INGREDIENT	DOSAGE PER HA	COMMENTS
Soil Nutrition	Gypsum	Calcium Sulphate	500-200kgs	Apply just before or just after
Soil Treatment	Monceren 250EC	Penoycuron	2-5 lt	Control of Rhizoctonia black scurf. Application rate depending on seed quality and severity of disease
Soil Treatment	Azoxy Duo	Azoxystrobin + Difenaconazole	1lt/ha	Apply as a furrow spray
Soil Treatment	Ortiva 250SC	Azoxystrobin	1lt/ha	Apply as a furrow spray
Sprouting	Giberrellic Acid	Giberrellic Acid		Mix 16mls/100lt water and dip potato seed in mixture for 3 to 4 minutes and then sun dry before storing
Pre-Emergent Herbicide	Metribuzin	Metribuzin	600-900mls	Application rate depending on clay %
Pre-Emergent Herbicide	Dual Magnum	S-Metalachlor	1-1.5lt/ha	Application rate depending on clay %
Pre-Emergent Herbicide	Frontier Optima	Dimethanemid-p	0.7-1.2lt	Application rate depending on clay %
Post Emergent Grasses	Fusilade Forte	Fluazifop-p-butyl	1.5-2lt	Application rate depending on grass size
Post Emergent B/Leaf & Nutsedge	Basagran	Bendioxide + Thiasidiasine	3lt	
Nematicide	Velum 400SC	Fluopyram	2-2.5lt	Mix 2.5lt at planting. Furrow or pivot application nematicide which can give 60 days early blight protection as a side effect
Nematicide	E.D.B	Ethylene Dibromide	14lt	Furrow application 2 to 3 weeks before planting
Nematicide	Abamiprid	Abamectin	3lt	Furrow or pivot application
Bio Fungicide, Virucide & Root Stimulant	Kiplant VS-04	Chitosan based	10lt	Furrow or pivot application
Bio Fungicide & Bactericide	Cuperdem	Copper	3lt	Furrow or pivot application
Bio Stimulant	Messenger	Harpin	100g	Furrow or pivot application

Cutworms	Decis Forte	Deltamethrin	60ml	Application timing is immediately after transplanting
Cutworms	Karate Zeon	Lambda-cyhalothrin	200ml	Application timing is immediately after transplanting
Soil Pests, Cutworm & 6 week control in land	Plesiva Star 60WG	Cyantraniliprole + Pymetrozine	270g	Application as a soil application. Gives 6 weeks control after application in lands including whitefly, leaf miner and chewing insects
Soil Pests	Confidor 70WG	Imidacloprid	280g	Apply as soil application
Routine Contacts	Antracol 70WP	Propineb	2.5kg	Start application 21 days after emergence. Apply every 7 days in 500lt water/ha as direct cover spray over rows. Increase spray volume with crop size. If late blight is present between sprays, intervals should be shortened to 5 days
	Mancozeb 80WP	Mancozeb + Diathane	2.5kg	
	Bravo 720SC	Chorothalonil	3lt	
	Kiplant VS-04	Chitosan based	1.5lt	
	Cuperdem	Copper	1.5lt	
Early Blight	Mancozeb 80WP	Mancozeb	2.5kg	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart when weather conditions favour the disease. Not more than 6 sprays should be applied per crop cycle.
	Copper Hydroxide	Copper Hydroxide	2.5kg	
	Ridomyl Gold	Metalaxyl + Mancozeb	2.5kg	
	Twist 500SC	Trifloxystrobin	150ml	
	Nativo 300SC	Tebuconazole + Trifloxystrobin	800ml	
	Folicur 250EW	Tebuconazole	500ml	
	Cabrio Duo	Pyraclostrobin + Difenconazole	2.5kg	
Azoxy Duo 325SC	Azoxystrobin + Difenconazole	500ml		
Aphids, Thrips & Caterpillars	Karate Zeon	Lambda-cyhalothrin	500ml	Karate Zeon has a quick knockdown effect on these pests
	Decis Forte	Deltamethrin	300ml	Decis Forte is a synthetic pyrethroid with contact and stomach action which controls a wide range of insects
	Thunder 1400D	Beta-cyfluthrin & Imidacloprid	330ml	Thunder has excellent systemic properties and a significant residual activity, particularly against sucking insects such as aphids, leaf hoppers, thrips, leaf miners and white flies
	Sivanto Prime	Flupyradifurone	400ml	Sivanto Prime is a new insecticide from Bayer for the control of a range of sucking insect pests and has an outstanding safety profile

	Vayego 200SC	Tetraniliprole	50ml	Vayego is a powerful, innovative insecticide that provides quick antifeedant and residual activity on all life stages from egg to adult
	Plesiva Star 60WG	Cyantraniliprole + Pymetrozine	270g	Apply as a soil application
	Magmectin Ultra Duo 112EC	Emmamectin Benzoate + Acetamiprid	250ml	A broad spectrum acaricide and insecticide for the control of mainly spidermites, lepidoptera pests, thrips, aphids and leaf miners in potatoes
Whitefly, Thrips & Leaf Miner	Abamiprid 120SL	Abamiprid + Acetamiprid	200ml	Abamiprid 120SL is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity
	Magmectin Ultra Duo 112EC	Emmamectin Benzoate + Acetamiprid	250ml	A broad spectrum acaricide and insecticide for the control of mainly spidermites, lepidoptera pests, thrips, aphids and leaf miners in potatoes
	Plesiva Star 60WG	Cyantraniliprole + Pymetrozine	270g	Apply as a soil application
	Triguard & Dynamec	Cromazine Abamectin	200g 500ml	In combination, will kill adults and eggs
	Cartap	Cartap Hydrochloride	2kg	Apply as full cover spray
	Calypso	Thiacloprid	300ml	Apply as full cover spray
	Ampligo 150ZC	Chlorantraniliprole	400ml	-Application timing and frequency should be based on economic thresholds -Apply as required by scouting -To control boring species, time applications before they bore into the fruits or stems
	Sivanto Prime	Flupyradifurone	400ml	Sivanto Prime is a new insecticide from Bayer for the control of a range sucking insect pests and has an outstanding safety profile
	Vayego 200SC	Tetraniliprole	50ml	Vayego is a powerful, innovative insecticide that provides quick antifeedant and residual activity on all life stages from egg to adult
Thrips & Red Spider	Dynamec Abamiprid 120SL	Abamectin Abamectin + Acetamiprid	500ml 200ml	Abamectin 120SL is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity.
	Belt 480SC	Flubendiamide	100ml	Apply as full cover spray

Tuber Moth & Caterpillars	Vayego 200SC	Tetraniliprole	50ml	Vayego 200SC is a powerful, innovative insecticide that provides quick antifeedant and residual activity on all life stages from egg to adult
	Karate Zeon	Lambda-cyhalothrin	200ml	Karate Zeon has a quick knockdown effect on these pests
	Decis Forte	Deltamethrin	100ml	Decis Forte is a synthetic pyrethroid with contact and stomach action which controls a wide range of insects
Late Blight	Azoxy Duo 325SC	Azoxystrobin + Difenconazole	500ml	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
	Cuperdem	Copper	3lt	Apply as a full cover spray on first signs of infection. Can also be applied at planting for early protection
	Melody Duo 69WG	Iprovalicarb + Propineb	2.5kg	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
	Infinito WG	Propamocarb Hydrochloride + Fluopicolide	1.2kg	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
	Ridomyl Gold	Metalaxyl + Mancozeb	2.5kg	The disease is soil borne, sprays with Ridomyl Gold; a high systemic fungicide with protective and curative attributes which effectively controls the disease
	Cabrio Duo	Pyraclostrobin + Dimethomorph	2.5kg	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
Bacterial Infections	Copper Hydroxide	Copper Hydroxide	2.5kg	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart when weather conditions favour the disease
	Kasugamycin 4SL	Kasugamycin	1.2lt	