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## Crop Guide – Tomatoes

PLEASE REMEMBER TO ALWAYS READ THE LABEL BEFORE USING ANY CHEMICAL

### Fertilizer Program

GROWTH STAGE	KYNO POP	10.24.20	GREEN -GOLD	M.A.P TECH	SOP	CALCIBOR	MAG SULPH ATE	POT NITRATE	Foliar Leaf Sprays			N	P20 5	K20	CaO	MgO	S	B
									VEGGIE STARTER	VEGGIE GROW	VEGGIE FRUIT							
At Planting	7kg	600kg										60	144	120			36	0.9
Week 2			150kg	50kg				50kg	3kg			57	30	22	14			0.25
Week 3						100kg			3kg			15.5			27			0.3
Week 4				50kg	25kg			75kg		3kg		15.8	30	47			4.5	
Week 5						100kg	25kg			3kg		15.5			27	2.5	3.3	0.3
Week 6				25kg	50kg			100kg		3kg		16	15	72			4.5	
Week 7						100kg	25kg					15.5			27	2.5	3.3	0.3
Week 8				25kg	50kg			100kg			3kg	16	15	72			4.5	
Week 9						100kg	25kg				3kg	15.5			27	2.5	3.3	0.3
Week 10				25kg	50kg			100kg			3kg	16	15	72			4.5	
Week 11						100kg	25kg					15.5			27	2.5	3.3	0.3
Week 12					25kg			75kg			3kg	9.8		48			4.5	
Week 13						100kg	25kg				3kg	15.5			27	2.5	3.3	0.3
Week 14					25kg			50kg			3kg	6.5		36			4.5	
<b>ALTERNATE CALCIUM NITRATE &amp; POT NITRATE</b>																		
TO END OF CROP @50KGS/HA																		
<b>TOTALS</b>	<b>7kg</b>	<b>600kg</b>	<b>150kg</b>	<b>175kg</b>	<b>225kg</b>	<b>600kg</b>	<b>125kg</b>	<b>550kg</b>				<b>290</b>	<b>249</b>	<b>489</b>	<b>176</b>	<b>12.5</b>	<b>79.5</b>	<b>2.95</b>



## Chemical Program

CROP / GROWTH STAGE	TARGET PEST / DISEASE	PRODUCT	ACTIVE INGREDIENT	DOSAGE		COMMENTS
				PER 20L	PER HA	
Before sowing/nursery	Fusarium Wilt	Metham Sodium	Metham Sodium	3L	600-900lts	Drench planting beds with nemasol at 1Lper 10M weeds, nematodes and soil borne fungi. 2 and cover with polythene for 2-4 weeks. Nemasol effectively controls
	Damping Off in Nursery	Ridomyl Gold	Metalazyl + Mancozeb	50g	2.5kgs	The diseases is soil borne, sprays with Ridomyl Gold; a highly systemic fungicide with protective and curative attributes which effectively controls the disease
	Whitefly, Aphids & Caterpillar	Bullet 60EC	Acetamiprid + Lambda-cyhalothrin	20mls	200mls	Pests transmit TMV and leaf curl virus. Bullet 60EC effectively controls them and is a fast-acting synthetic pyrethroid insecticide with a knock-down effect which controls an extremely wide range of pests.
Transplanting	Cut Worm	Karate Zeon	Lambda-cyhalothrin	20mls	200mls	Application timing is immediately after transplanting
		Plesiva Star 60WG	Cyantraniliprole + Pymetrozine	27g	270g	Apply as a soil application
	Soil Pests	Confidor 70WG	Imidacloprid	30g	280g	Apply as a soil application
Vegetative Stage	Early blight	Mancozeb 80WG	Mancozeb	50g	2.5kgs	Start application 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	50g	2.5kgs	
		Ridomyl Gold	Metalazyl + Mancozeb	50g	2.5kg	
		Azoxystrobin + Difenaconazole	50mls	500mls		
	Aphids, Thrips & Caterpillars	Karate Zeon	Lambda-cyhalothrin	50mls	500mls	Pests transmit tomato mosaic virus and tomato leaf curl virus; Karate Zeon has a quick knockdown effect on these pests
Decis Forte EC		Deltamethrin	10-15mls	300mls	Decis Forte is a synthetic pyrethroid with contact and stomach action which controls a wide range of insects	

		Thunder 140D	Beta-cyfluthrin + Imidacloprid	30mls	330mls	Thunder has excellent systemic properties and a significant residual activity. Imidacloprid has a broad spectrum of activity, particularly against sucking insects such as aphids, leafhoppers, thrips, leaf miners and white flies
		Sivanto Prime	Flupyradifurone	40mls	400mls	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	5mls	50mls	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	27g	270g	Apply as soil application
		Magmectin Ultra Duo	Emamectin Benzoate + Acetamiprid	20mls	250mls	A broad spectrum acaricide and insecticide for the control of mainly Spider mites, Lepidoptera pests, Thrips, Aphids and Leaf miners in Tomatoes
Whitefly, Thrips, Leaf Miner		Abamiprid 120SL	Abamectin + Acetamiprid	15mls	200mls	Abamiprid is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity.
		Magmectin Ultra Duo	Emamectin Benzoate + Acetamiprid	20mls	250mls	A broad spectrum acaricide and insecticide for the control of mainly Spidermites, Lepidoptera pests, Thrips, Aphids and Leafminers in Tomatoes
		Plesiva Star 60WG	Cyantraniliprole + Pymetrozine	27g	270g	Apply as a soil application
		Ampligo 150ZC	Cyantraniliprole	40mls	400mls	Application timing and frequency should be based on economic thresholds. Apply as required by scouting. To control boring species, time applications before they bore
		Sivanto Prime	Flupyradifurone	40mls	400mls	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	5mls	50mls	Vayego is a powerful, innovative insecticide that provides quick antifeedant and residual activity on all life stages from egg to adult
Powdery Mildew		Azoxy Duo 325SC	Azoxystrobin + Difenaconazole	50mls	500mls	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart

		Folicur 250EW	Tebuconazole	30mls	375mls	Apply at the first signs of infection and repeat every 7-10 days. Apply as a full cover spray in minimum 500l water per ha and relatively more on larger plants
		Cuperdem	Copper	300mls	3lts	Apply as a full cover spray on first signs of infection. Can also be applied at planting for early protection
Flowering Stage	Late Blight	Azoxy Duo 325SC	Azoxystrobin + Difenaconazole	50mls	500mls	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
		Cuperdem	Copper	300mls	3lts	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	50g	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
	Thrips & Red Spider	Ridomyl Gold	Metalaxyl + Mancozeb	50g	2.5kgs	The diseases is soil borne, sprays with Ridomyl Gold; a highly systemic fungicide with protective and curative attributes which effectively controls the disease
		Cabrio Duo	Pyraclostrobin + Dimethomorph	50mls	2.5lts	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
		Abamiprid 120SL	Abamectin + Acetamiprid	15mls	200mls	Abamiprid is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity
Fruit Expansion Stage	Late Blight	Azoxy Duo 325SC	Azoxystrobin + Difenaconazole	50mls	500mls	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
		Cuperdem	Copper	300mls	3lts	Apply as a full cover spray on first signs of infection. Can also be applied at planting for early protection

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	Bacterial Infections	Copper Hydroxide	Copper Hydroxide	50g	2.5kgs	Start applications preventatively before disease symptoms appear. Apply in blocks of 2 consecutive sprays 7-10 days apart
		Kasugamycin 4SL	Kasugamycin	120mls	1.2lts	Apply maximum of 3 sprays
Ripening	Red Spider	Abamiprid 120SL	Abamectin + Acetamiprid	15mls	200mls	Abamiprid is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity
	Whitefly, Thrips, Aphids & America Bollworm	Abamiprid 120SL	Abamectin + Acetamiprid	15mls	200mls	Abamiprid is a combination of acetamiprid and abamectin. It has larvicidal and ovicidal activity
		Magmectin Ultra Duo	Emmamectin Benzoate + Acetamiprid	20mls	250mls	A broad spectrum acaricide and insecticide for the control of mainly Spider mites, Lepidoptera pests, Thrips, Aphids and Leaf miners in Tomatoes
		Plesiva Star 60WG	Cyantraniliprole + Pymetrozine	27g	270g	Apply as soil application
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