



# **UTKARSH Integrated fertilizer management in CUMIN**

## **FERTILIZER & SPRAY PROGRAM FOR 1 ACRE**

Stage of crop	Fertilizer application method	Time for use	Name of products	Quantity in kg/liter
Before sowing	Soil application	Basal dose	FYM	4-6 t/acre
			DAP	50 kg/acre
			MOP	15 kg/acre
			<b>Huminoz -98</b>	900 gm /acre
			<b>Microbes</b>	2 kg/acre
Seed treatment		At sowing	<b>Microbes/ TrichoZ</b>	3 gm/kg seed
After germination	Drenching/ with irrigation	At 15 day after germination	<b>Roots Multiplier</b>	2 litre/acre
			<b>Stress free</b>	1 litre/acre

	Soil Application	At 25 days after germination	Urea	25 kg/acre
			<b>Microbes</b>	2 kg/acre
			<b>Sulphur 90% WG</b>	10 kg/acre
			<b>Combi Soil</b>	10 kg/acre
Growth Stage/Vegetative stage	Spraying	At 30-40 days after germination	<b>19:19:19</b>	2 gm/litre water
			<b>Stress Free</b>	1 ml/litre
			<b>Cumacin</b>	0.5ml/litre
		At 40-50 days after germination	<b>Sudoz-P</b>	7-10gm/litre water
Flowering stage	Spraying	55 days after germination	<b>Horse power</b>	15 ml/litre
			<b>stress free</b>	7-10gm/litre water each
	Spraying	65 days after germination	<b>Panther</b>	3 ml/litre
			<b>Cumacin</b>	0.5ml/litre
	Spraying	70 days after germination	<b>Stress Free</b>	2 ml/litre
			<b>MildewNIL</b>	0.5ml/liter
Seed formation stage	Soil application	75-90 day	<b>F- Enhancer</b>	1 liter/acre
	Spraying		<b>MildewNil</b>	0.5ml/litre water each
			<b>Stress free</b>	1 ml/litre
		90-110 day	<b>Sudoz-P</b>	7-10gm/litre water
			<b>Stress free</b>	1 ml/litre

### Diseases and Pest Control

<b>Method of application</b>	<b>Disease/Pest</b>	<b>Product name</b>	<b>Dose</b>
Spray	Aphid	<b>Beveroz-P+ Verticoz-P</b>	7-10 gm/liter each
	Thrips	<b>Thripoz -P+ Neemoz CP</b>	2-3ml + 4ml/liter
	Cut worm	<b>Thripoz -P+ Neemoz CP</b>	4 ml/liters
	Cigarette beetle	<b>Neemoz CP</b>	4 ml/liter
	Tobacco caterpillar	<b>Beveroz-P+ Verticoz-P</b>	7-10 gm/liter each
Drenching	Root knot nematode	<b>Nematoz -P</b>	2 kg/acre
Drenching	Wilt	<b>Trichoz -P + Trichoherz -P</b>	7-10 gm/liter each
Spray	Powdery mildew	<b>MildewNIL</b>	0.5ml/liter
Spray	Alternaria blight	<b>Cumacin</b>	10 ml/15 liter
Drenching	Damping off	<b>Trichoz -P + Trichoherz -P</b>	7-10 gm/liter each

For more details, contact:

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