



# **UTKARSH Integrated fertilizer management in**

**CHANA – (CHICK PEA)**

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

Stage of crop	Fertilizer application method	Time for use	Name of products	Quantity in kg/acre
Before sowing	Soil application	Basal dose	FYM	1-2 tone
			SSP	100-125 kg
			Urea	15-20 kg
			MOP	15 kg
			<b>Huminoz - 98</b>	900 gm
Seed treatment		Before sowing	<b>Microbes/ Trichoz</b>	3 gm/kg each
			<b>Rhizoz</b>	240 ml/kg
After germination	Drenching	5 leaves stage	<b>Microbes</b>	1 kg
			<b>Vamoz P</b>	3 kg
Vegetative stage	Spray	15-25 day	<b>19:19:19</b>	3 kg
			<b>Stress Free</b>	1 liter
Flowering	Spray	30-40 day	<b>Marvel</b>	200 ml
		40-50 day	<b>F-Enhancer</b>	2 kg
			<b>Horse Power</b>	2 litre
		50-60 day	<b>0:52:34</b>	3 kg
Pod Formation and Development	Spray	60-70 day	<b>Panther</b>	2 liter
			<b>F-Enhancer</b>	2 kg
			<b>13:00:45</b>	3 kg

Seed development	Spray	80-100 day	<b>Boronated CAN</b>	8 kg
			<b>13:00:45</b>	3 kg

## Diseases and Pest control

Method of application	Diseases/Pest	Product name	Dose
Lure and Trap	Gram Pod Borer	<b>Cotton Bollworm Lure with Funnel Trap</b>	6-7 Tarp/Acre
Spray	Gram Pod Borer	<b>Beveroz</b>	7-10gm +4 ml/liter
	Semilooper	<b>Beveroz</b>	7-10 gm/liter
	Cut worm	<b>Beveroz</b>	7-10 gm/liter
Drenching	Termites	<b>Metarhoz</b>	1-3 kg/Acre
Spray	Aphid	<b>Beveroz + Verticoz</b>	7-10 gm/liter each
Spray	Stunt virus	<b>Beveroz + Verticoz + Viroz</b>	7-10 gm each + 4 ml/liter
Spray	Chickpea Alternaria blight	<b>LeafspotNil</b>	1 ml/Liter
	Chickpea Ascochyta blight	<b>LeafspotNil</b>	1 ml/Liter
	Botrytis gray mold	<b>LeafspotNil</b>	1ml/Liter
Drenching	Chickpea Collar rot	<b>Trichoz-P + Trichoherz -P</b>	1 -3 kg/Acre
	Chickpea Dry root rot	<b>Trichoz-P + Trichoherz -P</b>	1 -3 kg/Acre
	Chickpea wilt	<b>Trichoz-P + Trichoherz -P</b>	1 -3 kg/Acre
Spray	Chickpea Powdery mildew	<b>MildewNIL</b>	0.5 ml/litre

For more details, contact:

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