



# UTKARSH Integrated fertilizer management in *Sugarcane for 1 Acre*

## SOIL APPLICATION AND DRENCHING

Stage of Crop	Product Name	Dose	Remark
(1) At the time of sowing	Organic Manure(FYM)	200 To 500kg	2 lit <b>Release</b> coated on 100kg DAP
	<b>Huminoz - 98</b>	2 kg	
	DAP With Release coated	100kg	
	MOP	100kg	
	<b>Combi Soil – Mix Micronutrient</b>	10 kg	
	Sulphur 90%	4 kg	
	<b>Magnesium Sulphate</b>	25kg	
Mix well and mix it in soils. Along with next water give Microbes - 3-4 Kg along with water or spread with FYM			
(2) After 20 Days of sowing	Urea	50Kg	
	<b>Roots Multiplier</b>	1 liter	
(3) After 40 Days of sowing	Urea	100 kg	

	<b>Neem Cake</b>	10Kg	Mix well both and then give
	<b>Roots Multiplier</b>	1 litre	
<b>(4) After 65 Days of sowing</b>	Urea	50kg	1 litre <b>Roots Multiplier</b>
	DAP	50kg	1 lit <b>Release</b> coated on 50 kg DAP
	MOP	50kg	
Do Small earthing up			
<b>(5) At the time of full earthing up</b>	Organic Manure	200 To 500 kg	2 lit <b>Release</b> coated on 100 kg DAP
	<b>Huminoz -98</b>	2 kg	
	Urea	150 kg	
	DAP	100 kg	
	MOP	75 kg	
	<b>Combi soil – Mix Micronutrient</b>	10 kg	
	Sulphur 90%	4 kg	
	<b>Magnesium Sulphate</b>	25 kg	
Along with next water, give Microbes - 3-4 kg along with water or spread with FYM			
<b>(6) After 120 days of sowing</b>	24.24.0	100kg	
	MOP	25KG	
<b>(7) After 150 days of sowing</b>	Urea	50 kg	
	MOP	50 KG	

### **SPRAY SCHEDULE**

Stage of Crop	Product Name	Dose
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<b>Spray No. 1</b> After 45 <sup>th</sup> day of sugar stick plantation/ 35 <sup>th</sup> day of crop cutting/15 <sup>th</sup> day after plant plantation - with 15 liters of pump. 4 pumps are required	<b>19:19:19</b>	75 gm
	<b>Combi- 2</b>	40 gm
	Chlorpyriphos/ <b>Beveroz -P + Verticoz -P</b>	30 ml/100-150 gm
	Carbendazim 50%/ <b>Trichoz -P + Trichoherz -P</b>	30 gm/ 100-150 gm
	<b>Bhim</b>	200 ml
<b>Spray No. 2</b> After 65 <sup>th</sup> day of sugarcane stick plantation/ 55 <sup>th</sup> day of crop cutting/35 <sup>th</sup> day after plant plantation with 15 liters of pump. 6 pumps are required	<b>Panther</b>	50 ml
	<b>Shield</b>	50 ml
	<b>Cumacin</b>	10 ml
	<b>Bhim</b>	200 ml
<b>Spray No. 3</b> After 85 <sup>th</sup> day of plantation/ 75 <sup>th</sup> day of crop cutting/55 <sup>th</sup> day after plant plantation with 15 liters of pump. 9 pumps are required	<b>Panther</b>	50 ml
	<b>Potassium schoenite</b>	110 gm
	<b>Neemoz Gold – neem oil 10000 ppm</b>	30 ml
	<b>MildewNIL</b>	10 ML
	<b>Bhim</b>	200 ml
<b>Spray No. 4</b> After 105 <sup>th</sup> day of plantation/ 95 <sup>th</sup> day of crop cutting/ 75 <sup>th</sup> day after plant plantation with 15 liters of pump. 10 pumps are required	<b>13:00:45</b>	100gm
	<b>Quonta</b>	15ml
	<b>Potassium schoenite</b>	100gm
	<b>Rogor/Beveroz -P</b>	40ml/100-150 gm
	<b>Bhim</b>	200 ml
<b>Spray No. 5</b> After 125 <sup>th</sup> day of plantation/ 115 <sup>th</sup> day of crop cutting/95 <sup>th</sup> day after plant plantation with 15 liters of pump. 12 pumps are required	<b>Panther</b>	50 ml
	<b>Magnesium Sulfate / Magnesium Nitrate</b>	60gm
	Chlorpyriphos/ <b>Neemoz Gold</b>	30ml
	<b>MildewNIL</b>	10 ml
	<b>Bhim</b>	200 ml

## **Diseases and Insect control**

Method of application	Disease/ Insect	Product name	Dose
Drenching	Root Borer	<b>Metarhoz + Beveroz</b>	1-3 kg/ acre each
Spray	Early shoot borer	<b>Beveroz + Neemoz</b>	7-10 gm 4 ml/liter
	Top shoot borer	<b>Beveroz + Neemoz</b>	7-10 gm 4 ml/liter
	White woolly aphid	<b>Beveroz + Verticoz</b>	7-10 gm /liter each
	Black bug	<b>Beveroz + Verticoz</b>	7-10 gm /liter each
	Whitefly	<b>Beveroz + Verticoz</b>	7-10 gm /liter each
	Pyrilla	<b>Beveroz + Verticoz</b>	7-10 gm /liter each
	Mealybug	<b>Beveroz + Verticoz</b>	7-10 gm /liter each
	Mite	<b>Shield</b>	2.5 ml/Liter
	Red rot	<b>MildewNil</b>	10 ml/15 liter
Drenching	wilt	<b>Trichoz -P + Trichoherz -P</b>	7-10 gm /liter each
Spray	Smut	<b>MildewNil</b>	10 ml/15 liter
Drenching	Grassy Roots bacteria	<b>MildewNil</b>	10 ml/15 liter
Spray	Red stipped disease	<b>MildewNil</b>	10 ml/15 liter

For more details, contact:

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