

# K.J. Somaiya Institute of Applied Agricultural Research

Taluk: Rabakavi-Banahatti

Sameerwadi-587 316

Dt: Bagalkot

Farmer Name:	NAIK URF PATIL SHARADA RAVASAB			Cultivator Code No.	153227
Cluster/Village	MUGALKHOD-(FNW)/PALABHAVI				
Survey No.	45/1A	Plot No.	12	Area:	1
Soil Type	HEAVY	Next Crop	SUGAR CANE	Irrigation Source:	RIVER
Date of Sampling	2024-08-17	Lab No.	12411	Date of Report	2024-08-17

## Soil Test Results

Sr No.	Parameters	Test Result	Low	Medium	High
0	pH(2:5)	4	<6.5	6.5 - 7.5	> 7.5
1	Electrical Conductivity(ds/m)	4	<1.0	1.0 - 2.0	2.0
II.Major/Macronutrients					
3	Organic Corbon (%)	4	<0.5	0.5 - 1.0	> 1.0
4	Nitrogen(Kg/Acre)-N	117	<112.0	112 - 224	>224
5	Phosphorus(kg/Acre)-P	8	<8.0	8.0-20.0	>20.0
6	Potash(kg.Acre)-K	203	<45.5	45.5 - 134	>134.0
III.Secondary Nutrients					
8	Sulphur(S) PPM	4	<10	10 - 20	>20
9	Magnesium(Mg) %	4	<0.1	0.1 - 0.4	>0.4
10	Calcium(Ca) %	4	<0.1	0.1 - 1.0	>1.0
11	Copper(cu) PPM	4	--	0.2	--
IV.Micronutrients					
13	Zinc (Zn) PPM	4	--	0.6	--
14	Iron(Fe) PPM	4	--	2.5	--
15	Manganese(Mn) PPM	4	--	1.0	--
I.Chemical					
17	Sodium(Na) PPM	4	--	--	--

## Recommendations

### Soil Reclamation

1	Gypsum (tonne/acre)	0.0	-	-	-
OR					
2	Sulphur (tonne/acre)	0.0	-	-	-

Sr No	Biofertilizers	Quantity
1	Azospirillum (N-Fixer) (kg/acre)	4.0
2	Bacilus Megatarium (P-Solubilizer) (kg/acre)	4.0

### Organic Manures

Sr No	Manure	Quantity
1	Farm Yard Manure (FYM) (tonne/acre)	10.0
2	Bhumilabh (tonne/acre)	2.0

REMARKS

asd

SOIL TEST BASED NUTRIENT RECOMMENDATIONS

Sugarcane Season	Adsali	Pre-seasonal	Seasonal
Sugarcane Yield Target (tonne/acre)	70	50	40
NITROGEN	124	81	33
PHOSPHORUS	148	93	66
POTASH (K2O)	74	49	37

Recommended dose of straight and complex fertilizers (kg/acre)

Sugarcane Season	Adsali			Pre-seasonal			Seasonarl		
COMBINATION-01									
Time Of Application	UREA	DAP	MOP	UREA	DAP	MOP	UREA	DAP	MOP
Total	208	161	247	134	107	156	41	80	111
AT PLANTING	20	161	24	13	107	15	4	80	11
30-40 DAYS	41	0	49	26	0	31	8	0	22
60-75 DAYS	41	0	49	26	0	31	8	0	22
100-120 DAYS	52	0	61	33	0	39	10	0	27
150-180 DAYS	52	0	61	33	0	39	10	0	27
COMBINATION-02									
Time Of Application	UREA	SSP	MOP	UREA	SSP	MOP	UREA	SSP	MOP
Total	271	465	247	176	310	156	73	232	111
AT PLANTING	27	465	24	17	310	15	7	232	11
30-40 DAYS	54	0	49	35	0	31	14	0	22
60-75 DAYS	54	0	49	35	0	31	14	0	22
100-120 DAYS	67	0	61	44	0	39	18	0	27
150-180 DAYS	67	0	61	44	0	39	18	0	27
COMBINATION-03									
Time Of Application	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP
Total	180	232	185	115	155	115	27	116	80
AT PLANTING	18	232	18	11	155	11	2	116	8
30-40 DAYS	36	0	37	23	0	23	5	0	16
60-75 DAYS	36	0	37	23	0	23	5	0	16
100-120 DAYS	45	0	46	29	0	28	6	0	20
150-180 DAYS	45	0	46	29	0	28	6	0	20
COMBINATION-04									
Time Of Application	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP
Total	209	286	123	135	190	73	41	143	49
AT PLANTING	20	286	12	13	190	7	4	143	4
30-40 DAYS	41	0	24	27	0	14	8	0	9
60-75 DAYS	41	0	24	27	0	14	8	0	9
100-120 DAYS	52	0	30	33	0	18	10	0	12
150-180 DAYS	52	0	30	33	0	18	10	0	12

# Micronutrients

Sr No	Fertilizers	Quantity (kg/acre)
1	ZINC SULPHATE (KG. / ACRE)	4
2	MANGANESE SULPHATE	4
3	COPPER SULPHATE	4
4	BORON	0
5	FERROUS SULPHATE	4

Soil Scientist (KIAAR)	Director (KIAAR)
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