

# 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.	193 /1	Plot No.	15	Area:	2
Soil Type	HEAVY	Next Crop	SOYABEAN	Irrigation Source:	RIVER
Date of Sampling	2024-04-27	Lab No.	12607	Date of Report	2024-04-27

## Soil Test Results

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

## 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

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SOIL TEST BASED NUTRIENT RECOMMENDATIONS

Sugarcane Season	Adsali	Pre-seasonal	Seasonal
Sugarcane Yield Target (tonne/acre)	70	50	40
NITROGEN	302	234	186
PHOSPHORUS	190	135	108
POTASH (K2O)	82	57	45

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	588	178	317	459	124	226	366	97	181
AT PLANTING	58	178	31	46	124	22	36	97	18
30-40 DAYS	117	0	63	92	0	45	73	0	36
60-75 DAYS	117	0	63	92	0	45	73	0	36
100-120 DAYS	147	0	79	115	0	56	91	0	45
150-180 DAYS	147	0	79	115	0	56	91	0	45
COMBINATION-02									
Time Of Application	UREA	SSP	MOP	UREA	SSP	MOP	UREA	SSP	MOP
Total	657	513	317	508	358	226	405	281	181
AT PLANTING	65	513	31	50	358	22	40	281	18
30-40 DAYS	131	0	63	101	0	45	81	0	36
60-75 DAYS	131	0	63	101	0	45	81	0	36
100-120 DAYS	164	0	79	127	0	56	101	0	45
150-180 DAYS	164	0	79	127	0	56	101	0	45
COMBINATION-03									
Time Of Application	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP
Total	557	256	249	438	179	178	350	140	143
AT PLANTING	55	256	24	43	179	17	35	140	14
30-40 DAYS	111	0	49	87	0	35	70	0	28
60-75 DAYS	111	0	49	87	0	35	70	0	28
100-120 DAYS	139	0	62	109	0	44	87	0	35
150-180 DAYS	139	0	62	109	0	44	87	0	35
COMBINATION-04									
Time Of Application	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP
Total	589	315	180	460	220	130	367	173	106
AT PLANTING	58	315	18	46	220	13	36	173	10
30-40 DAYS	117	0	36	92	0	26	73	0	21
60-75 DAYS	117	0	36	92	0	26	73	0	21
100-120 DAYS	147	0	45	115	0	32	91	0	26
150-180 DAYS	147	0	45	115	0	32	91	0	26

Micronutrients

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

Soil Scientist (KIAAR)	Director (KIAAR)
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