

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.		Plot No.	11	Area:	1
Soil Type	BLACK	Next Crop	WHEAT	Irrigation Source:	WELL_CANAL
Date of Sampling	2024-12-13	Lab No.	12510	Date of Report	2024-12-13

Soil Test Results

Sr No.	Parameters	Test Result	Low	Medium	High
I.Chemical					
1	pH(2:5)	4	<6.5	6.5 - 7.5	> 7.5
2	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	4	<112.0	112 - 224	>224
5	Phosphorus(kg/Acre)-P	4	<8.0	8.0-20.0	>20.0
6	Potash(kg.Acre)-K	4	<45.5	45.5 - 134	>134.0
7	Sulphur(S) PPM	4	<10	10 - 20	>20
III.Secondary Nutrients					
8	Calcium(Ca) %	4	<0.1	0.1 - 1.0	>1.0
9	Magnesium(Mg) %	4	<0.1	0.1 - 0.4	>0.4
10	Sodium(Na) PPM	2.6	--	--	--
IV.Micronutrients					
11	Zinc (Zn) PPM	4	--	0.6	--
12	Iron(Fe) PPM	4	--	2.5	--
13	Manganese(Mn) PPM	4	--	1.0	--
14	Copper(cu) PPM	4	--	0.2	--

Recommendations

Soil Reclamation

1	Gypsum (tonne/acre)	2.21	-	-	-
OR					
2	Sulphur (tonne/acre)	0.42	-	-	-

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

SOIL TEST BASED NUTRIENT RECOMMENDATIONS

Sugarcane Season	Adsali	Pre-seasonal	Seasonal
Sugarcane Yield Target (tonne/acre)	70	50	40
NITROGEN	301	204	185
PHOSPHORUS	95	58	43
POTASH (K2O)	128	115	108

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	573	207	214	394	127	192	365	94	180
AT PLANTING	57	207	21	39	127	19	36	94	18
30-40 DAYS	114	0	42	79	0	38	73	0	36
60-75 DAYS	114	0	42	79	0	38	73	0	36
100-120 DAYS	143	0	53	98	0	48	91	0	45
150-180 DAYS	143	0	53	98	0	48	91	0	45
COMBINATION-02									
Time Of Application	UREA	SSP	MOP	UREA	SSP	MOP	UREA	SSP	MOP
Total	654	595	214	444	365	192	402	271	180
AT PLANTING	65	595	21	44	365	19	40	271	18
30-40 DAYS	130	0	42	88	0	38	80	0	36
60-75 DAYS	130	0	42	88	0	38	80	0	36
100-120 DAYS	163	0	53	111	0	48	100	0	45
150-180 DAYS	163	0	53	111	0	48	100	0	45
COMBINATION-03									
Time Of Application	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP
Total	538	297	135	373	182	144	349	135	144
AT PLANTING	53	297	13	37	182	14	34	135	14
30-40 DAYS	107	0	27	74	0	28	69	0	28
60-75 DAYS	107	0	27	74	0	28	69	0	28
100-120 DAYS	134	0	33	93	0	36	87	0	36
150-180 DAYS	134	0	33	93	0	36	87	0	36
COMBINATION-04									
Time Of Application	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP
Total	575	366	55	395	225	95	365	166	108
AT PLANTING	57	366	5	39	225	9	36	166	10
30-40 DAYS	115	0	11	79	0	19	73	0	21
60-75 DAYS	115	0	11	79	0	19	73	0	21
100-120 DAYS	143	0	13	98	0	23	91	0	27
150-180 DAYS	143	0	13	98	0	23	91	0	27

Micronutrients

Sr No	Fertilizers	Quantity (kg/acre)
1	Zinc Sulphate	10.00
2	Ferrous Sulphate	10.00
3	Manganese Sulphate	5.00
4	Copper Sulphate	5.00
5	Boron	2.00

Soil Scientist (KIAAR)	Director (KIAAR)
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