

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.	13	Area:	1
Soil Type	SOFT	Next Crop	GROUND NUT	Irrigation Source:	CANAL
Date of Sampling	2024-04-09	Lab No.	12579	Date of Report	2024-04-09

Soil Test Results

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

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	293	225	178
PHOSPHORUS	189	134	107
POTASH (K2O)	72	48	35

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	575	158	315	450	104	224	357	77	178
AT PLANTING	57	158	31	45	104	22	35	77	17
30-40 DAYS	115	0	63	90	0	44	71	0	35
60-75 DAYS	115	0	63	90	0	44	71	0	35
100-120 DAYS	143	0	78	112	0	56	89	0	44
150-180 DAYS	143	0	78	112	0	56	89	0	44
COMBINATION-02									
Time Of Application	UREA	SSP	MOP	UREA	SSP	MOP	UREA	SSP	MOP
Total	637	455	315	491	300	224	387	222	178
AT PLANTING	63	455	31	49	300	22	38	222	17
30-40 DAYS	127	0	63	98	0	44	77	0	35
60-75 DAYS	127	0	63	98	0	44	77	0	35
100-120 DAYS	159	0	78	122	0	56	96	0	44
150-180 DAYS	159	0	78	122	0	56	96	0	44
COMBINATION-03									
Time Of Application	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP	UREA	12 : 32 : 16	MOP
Total	548	227	254	432	150	184	344	111	149
AT PLANTING	54	227	25	43	150	18	34	111	14
30-40 DAYS	109	0	50	86	0	36	68	0	29
60-75 DAYS	109	0	50	86	0	36	68	0	29
100-120 DAYS	137	0	63	108	0	46	86	0	37
150-180 DAYS	137	0	63	108	0	46	86	0	37
COMBINATION-04									
Time Of Application	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP	UREA	10 : 26 : 26	MOP
Total	576	280	194	451	184	144	357	136	119
AT PLANTING	57	280	19	45	184	14	35	136	12
30-40 DAYS	115	0	38	90	0	28	71	0	23
60-75 DAYS	115	0	38	90	0	28	71	0	23
100-120 DAYS	144	0	48	112	0	36	89	0	29
150-180 DAYS	144	0	48	112	0	36	89	0	29

Micronutrients

Sr No	Fertilizers	Quantity (kg/acre)
0	ZINC SULPHATE (KG. / ACRE)	9
1	MANGANESE SULPHATE	9
2	COPPER SULPHATE	9
3	BORON	0
4	Sodium(Na)	9

Soil Scientist (KIAAR)	Director (KIAAR)
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