

Bottle Gourd Trials

Objective

To evaluate Boreal Agromineral in field condition as source of nutrient for **BOTTLE GOURD** and record vegetative parameters as well as yield.

Type of Trial: Bulk field trial.

Area in Sq. mtr: 1000

Treatment Details

Treatment 1: Application of 250 kgs of Boreal Agromineral + 4.5 Tons of FYM (Farm Yard Manure) + 5 kgs of K Humate as basal dose (T1)

Treatment 2: Application of 50 kgs of Rock Phosphate + 4.5 Tons of FYM (Farm Yard Manure) + 5 kgs of K Humate as basal dose (T2)

Bottle Gourd type “Pushpa Naveen”.

Date of Sowing: April 4th 2018.

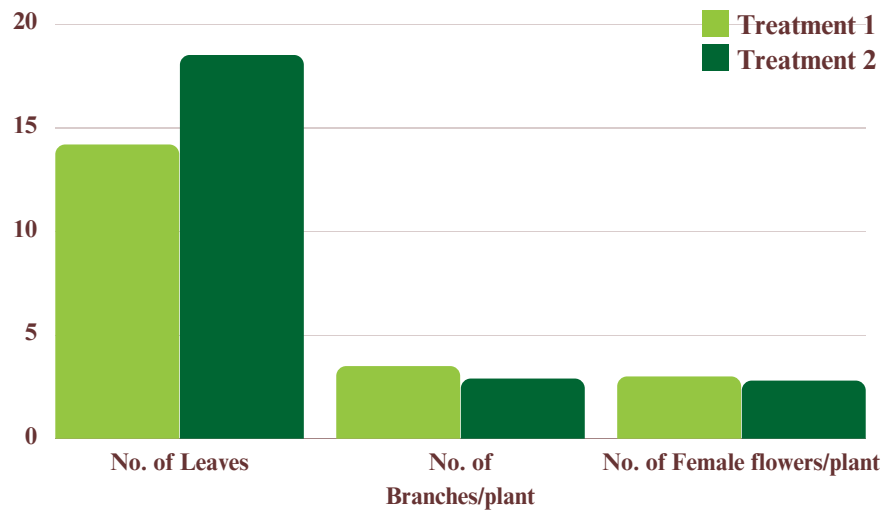
Observations

50 plants were randomly selected in each treatment. There were 2 methods of observations, Vegetative parameters and Yield parameters.

Vegetative Parameters

The observations have been tabulated below:

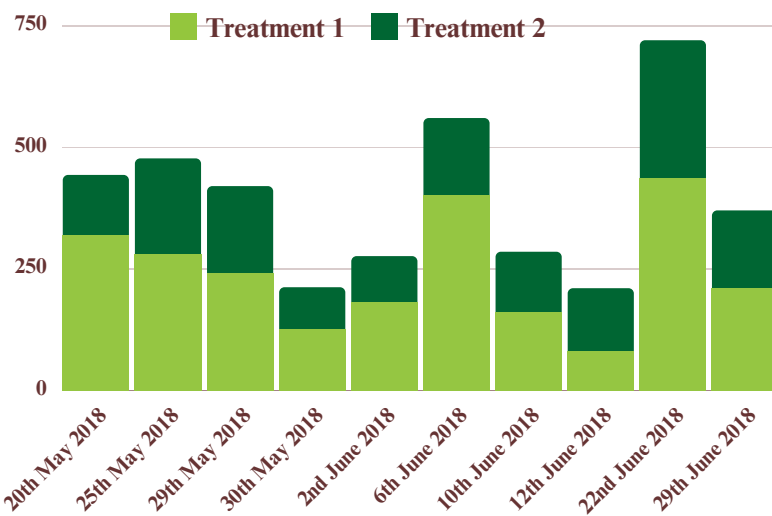
Observation Date	May 4th 2018	
	T 1	T 2
No. of Leaves	14.2	18.52
No. of Branches	3.5	2.9
No. of Female Flowers	3	2.8



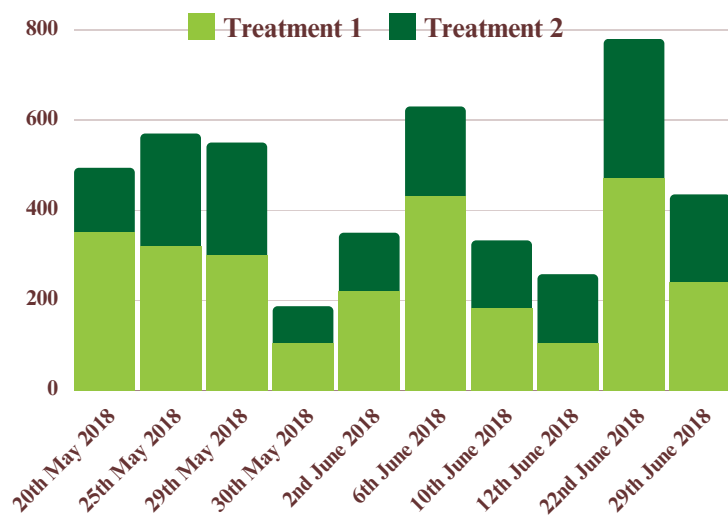
Yield/Harvest parameters

The observations have been tabulated below:

Date of Harvest	Trials	20th May 2018	25th May 2018	29th May 2018	30th May 2018	2nd June 2018	6th June 2018	10th June 2018	12th June 2018	22nd June 2018	29th June 2018	Total
No. of Fruits	T 1	318	280	240	126	180	400	160	80	435	210	2429
	T 2	125	197	180	86	96	160	125	130	285	160	1541
Total Weight in Kgs	T 1	350	320	300	105	220	430	183	105	470	240	2723
	T 2	144	250	250	82	130	200	150	153	310	195	1864



No. of Fruits



Total Weight in Kgs

Conclusion

Boreal Agromineral recorded better performance in terms of vegetative growth leading to more number of fruits as well as crop harvest as compared to standard practice. Other package of practice remains the same in both treatments.