

EFFICACY OF SANJIVNI (Organic Product) IN PRODUCTION OF MAIZE CV. Deoki IN WEST SIKKIM

Introduction

Sanjivni (Soil Enricher) is an organic product that contains the natural nutrient with useful nitrogen fixing bacteria and VAM. The product has been claimed to have the growth promoting, diseases and pest control attributes. It also improves the water holding capacity and C:N ratio. Krishi Vigyan Kendra, Gyaba, West Sikkim tested the efficacy of the product in Maize Cv. Deoki. Technical activities and the performance are detailed as follows.

Method of Application

- Sanjivni was mixed with well decomposed dry FYM in the ratio of 1: 10 (Sanjivni: FYM) and maintained moisture by adding water for three days before application.
- Soil application was done at the time of ploughing at the rate of 40 Kg/acre

Parameters Studied:

4. Growth (visual comparison)
5. Pest incidence (visual comparison)
6. Yield (Kg/ha)

TRIAL DESIGN

Treatment	Replication	Size of Plot
I Check (farmer's practice)	5	5m x 5 m
II Treatment I + Sanjivni	5	5m x 5 m

Results

Treatment		Replication					
		I	II	III	IV	V	Average
Yield (Kg/ha)							
I	Check (farmer's practice)	1475	1490	1525	1403	1450	1468.6
II	Treatment I + Sanjivini	1520	1650	1745	1580	1690	1637.0
Growth (visual)							
I	Check (farmer's practice)	Average	Average	Average	Average	Average	Average
II	Treatment I + Sanjivini	good	good	good	average	good	good
Pest incidence (visual) ---- no significant difference was observed							
I	Check (farmer's practice)	-	-	-	-	-	-
II	Treatment I + Sanjivini	-	-	-	-	-	-

Conclusion

The product Sanjivni was found to increase 1.6 % yield over the check with other beneficial attributes.

Other observation

1. Better germination
2. Less termite attack
3. Reduces incidence of weeds
4. Environmental friendly

for
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Sanjivani
(SMS)

EFFICACY OF *SANJIVNI* (Organic Product) IN PRODUCTION OF MAIZE CV. SUWAN COMPOSITE IN NORTH SIKKIM

Introduction

Sanjivni (Soil Enricher) is an organic product that contains the natural nutrient with useful nitrogen fixing bacteria and VAM. The product has been claimed to have the growth promoting, diseases and pest control attributes. It also improves the water holding capacity and C:N ratio. Krishi Vigyan Kendra, Mangan tested the efficacy of the product in Maize Cv. Suwan Composite. Technical activities and the performance are detailed as follows.

Method of Application

- *Sanjivni* was mixed with well decomposed dry FYM in the ratio of 1: 10 (*Sanjivni*: FYM) and maintained moisture by adding water for three days before application.
- Soil application was done at the time of ploughing at the rate of 40 Kg/acre

Parameters Studied:

1. Growth (visual comparison)
2. Pest incidence (visual comparison)
3. Yield (Kg/ha)

TRIAL DESIGN

Treatment		Replication	Size of Plot
I	Check (farmer's practice)	5	5m x 5 m
II	Treatment I + <i>Sanjivni</i>	5	5m x 5 m

Results

Treatment		Replication					
Yield (Kg/ha)							
		I	II	III	IV	V	Average
I	Check (farmer's practice)	1521	1569	1425	1403	1350	1453.6
II	Treatment I + Sanjivini	1620	1590	1741	1550	1680	1636.2
Growth (visual)							
I	Check (farmer's practice)	Average	Average	Average	Average	Average	Average
II	Treatment I + Sanjivini	good	good	good	average	good	good
Pest incidence (visual) ---- no significant difference was observed							
I	Check (farmer's practice)						
II	Treatment I + Sanjivini						

Conclusion

The product Sanjivni was found to increase 12.6 % yield over the check with other beneficial attributes.

Other observation

1. Better germination
2. Less termite attack
3. Reduces incidence of weeds
4. Environmental friendly

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