

## **Breeder Seed Cane Nursery Programme**

**Breeder seed cane nursery:** Seed nursery should be grown under supervision of scientists to maintain the pure and healthy seed.

- Selected seed cane should be cut in two budded setts.
- Treat the setts by fungicides.
- Open the trenches by trench opener.
- Use balanced doses of fertilizers in the trenches followed by mixing in soil.
- Put the two budded setts in paired row @ 20 buds/m.
- Apply the insecticides.
- Cover the setts only 2-3 cm in autumn and 3-4 cm in spring or late spring season.
- Irrigate the trenches at weekly interval till the completion of germination.
- After completion of the germination apply urea in trenches.
- By trench planting method 60-70% uniform germination can be achieved.
- There is a need to inspect each row fortnightly to check the infestation of diseases and insect pests and to perform rouging.
- Earthing at proper time by labour or tractor drawn trench opener.
- Binding at optimum stage, at least two bindings are needed .
- Before supplying the seed, it is essential that the plot should be thoroughly checked for purity and seed health.
- This is a low input and high output technology.
- 30-35% cane yield and 0.5 unit recovery will increase by trench planting.
- 40-50% water is saved and by applying fertilizer at proper place, the fertilizer use efficiency is also increased by adapting trench planting.
- Trench planting technique is more suitable for thick and shy tillering varieties.
- Trench planting technique is also suitable for intercropping with sugarcane.
- This is a suitable method to rejuvenate the variety for longer period.

उत्तर प्रदेश गन्ना षोध परिशद

वर्ष 2015–2016 में अभिजनक बीज गन्ना आपूर्ति (कु0)

क0 सं0	षोध संस्थान/केन्द्र	षरद (2015)	बसंत (2016)	योग
1	षाहजहाँपुर	8264.58	65450.43	<b>73715.01</b>
2	मुजफ्फरनगर	4805.61	59570.89	<b>64376.50</b>
3	गोला (लखीमपुर)	5262.96	38831.34	<b>44094.30</b>
4	सेवरही (कुषीनगर)	3595.87	28037.58	<b>31633.45</b>
5	गोरखपुर	530.50	4001.23	<b>4531.73</b>
6	लक्ष्मीपुर (कुषीनगर)	533.71	4170.00	<b>4703.71</b>
7	अमहट (सुलतानपुर)	1427.27	2445.55	<b>3872.82</b>
8	घुघुलपुर (बलरामपुर)	741.50	2430.79	<b>3172.29</b>
9	कटया–सादात	871.00	762.40	<b>1633.40</b>
	<b>योग</b>	<b>26033.00</b>	<b>205700.21</b>	<b>231733.21</b>