

## 11. GREEN MANURE CROPS

### (i) DAINCHA - VARIETAL SEED PRODUCTION

#### Land requirement

- Land should be free of volunteer plants. The previous crop should not be the same variety or other varieties of the same crop. It can be the same variety if it is certified as per the procedures of certification agency.

#### Isolation

- For foundation / quality seed production leave a distance of 10 m all around the field from the same and other varieties of the crop.
- For certified quality seed production leave a distance of 5 m all around the field from the same and other varieties of the crop.

#### Season

- Rabi and summer are best seasons.
- October-November sowing will give better seed yield.

#### Seed rate

- 20 - 30 kg / ha.

#### Seed treatment

- Seed pelleting with *Rhizobium* @ 5 packets / ha.
- Treat the seed with Carbendazim @ 2 g / kg of seeds.
- For hard seeds treat with Sulphuric acid @ 100 ml / kg of seed for 10 - 20 minutes.

#### Spacing

- 60 x 20 cm (vary based on soil fertility and type of soil as 45 x 20 cm, 75 x 45 cm).

#### Fertilizer

- 20:40:20 kg / ha (vary based on soil fertility and type of soil as 10:40:30, 10:30:30 and 20:50:70 kg of NPK / ha).
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#### Foliar application

- Spray 2 % DAP at 35 and 45 days after sowing.

**Harvest**

- Picking as once over harvest.

**Seed grading**

- Grade the seeds with BSS 7 x 7 wire mesh sieve.

**Storage**

- Store the seeds in gunny or cloth bags for short term storage (8 - 9 months) with a seed moisture content of 9 %.
- Store the seeds in 700 gauge polythene bag for long term storage (more than 15 months) with a seed moisture content of 8 %.
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**(i) SUNNHEMP - VARIETAL SEED PRODUCTION****Land requirement**

- Land should be free of volunteer plants. The previous crop should not be the same variety or other varieties of the same crop. It can be the same variety if it is certified as per the procedures of certification agency.

**Isolation**

- For foundation quality seed production leave a distance of 250 m all around the field from the same and other varieties of the crop.
- For certified quality seed production leave a distance of 100 m all around the field from the same and other varieties of the crop.

**Season**

- Rabi and summer are best seasons.
- October-November sowing will give better seed yield.

**Seed rate**

- 20 - 30 kg / ha.

**Seed treatment**

- Seed pelleting with *Rhizobium* @ 5 packets / ha.
- Treat the seed with Carbendazim @ 2 g / kg of seeds.
- For hard seeds treat with Sulphuric acid @ 100 ml / kg of seed for 10 - 20 minutes.