

## Groundnut (*Arachis hypogaea*)

### Varieties:

| Varieties | Plant height (cm) | No. of branches/plant | No. of nuts/kg | Shelling recovery % | Oil content % | Protein content % | Yield q/ha (nuts) |
|-----------|-------------------|-----------------------|----------------|---------------------|---------------|-------------------|-------------------|
| TG-1A     | 61.5              | 10.5                  | 727            | 75.75               | 48.0          | 29.5              | 38.9              |
| JL-24     | 64.0              | 9.0                   | 752            | 75.00               | 46.9          | 29.0              | 36.9              |

**Soil Type:** Well drained sandy loam soil is suitable.

**Land Preparation:** Land should be prepared to a fine tilth by 3-4 ploughings followed by laddering. Deep ploughing should be avoided. Ploughing depth should not exceed 15 cm.

**Time of sowing:** June – July.

**Seed Rate:** 65-70 kg kernel/ha.

**Seed Treatment:** Treat the selected kernels with carboxin @ 2 g /kg of kernel.

**Method of Sowing:** Seed should be sown in line at 5 cm depth.

### Spacing:

- Row to Row: 35 cm
- Plant to Plant: 15 cm

**Manures and Fertilizers:** Compost or FYM @ 10t/ha should be applied

| Nutrient                      | Requirement (kg/ha) | Form | Fertilizer requirement |          |
|-------------------------------|---------------------|------|------------------------|----------|
|                               |                     |      | kg/ha                  | kg/bigha |
| N                             | 20                  | Urea | 44                     | 6        |
| P <sub>2</sub> O <sub>5</sub> | 40                  | SSP  | 250                    | 33       |
| K <sub>2</sub> O              | 30                  | MOP  | 50                     | 7        |

**Weeding and Earthing up:** One weeding should be given at 30-35 days (i.e. flower initiation stage) after sowing the seeds followed by earthing up to promote easy penetration of pegs into soil.

### Plant Protection:

- 1) Spray chlorothalonil 75 WP or hexaconazole @ 2 g/lit of water to control leaf spot (*Tikka*) disease. The first spray should be given as soon as the initial symptoms are detected followed by a second spray after 20 days of the first spray.
- 2) To control the major insect pests (i.e. aphid, leaf miner etc.) spray oxydemeton-methyl 25.00% EC @ 250 g a.i. /ha

**Harvesting:** The stage of harvesting is attained when the vine begins to turn yellow and leaves start shedding. Harvesting is done by digging out the pods.