## Baliospermum solanifolium(Willd.) Muell-Arg.

**Synonyms**: B. axillare Bl., B. polyandrum Wt.

Family : Euphorbiaceae
Parts Used : Root , Leaf, Seed

**Vernacular Names** 

English : Castor oil plant Malayalam : Nagadanti Hindi : Danti

: Danti

Assamese : Dant, Hakun

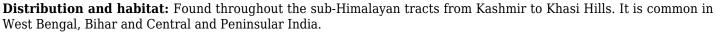
Bengali : Danti

Sanskrit

Gujarathi : Dantimul, Jamalgota

Kannada : Danti Tamil : Nakatanti

Telungu: Adaviamudamu, Kondaamudamu



Botany: Erect subherbaceous leafy shrub, 1-2 m high;

- *Leaves:* Alternate simple, petioles stout, stipules glandular, lower ones 15-30 cm long while upper ones 5.0-7.5 cm in length, biglandular at base, rigid, ribs prominent;
- *Inflorescence:* Racemes 0.4 cm, may contain only male flowers or a few female flowers too; florets small, subsessile;
- *Fruit*: Capsules trilobed, 0.8 -1.25 cm long; seeds mottled and endosperm oily.

**Chemical constituents:** Roots contain diterpenes, baliospermin, montanin, phorbol-12-deoxy-13-O-palmitate, phorbol-12-deoxy-16-hydroxy-13-O-palmitate and phorbol-12-deoxy-5b-hydroxy-13 -myristate.

**Uses:** Root is used in abdominal pain, constipation, calculus, general anasarca, piles, helminthic manifestations, scabies, skin disorders, suppurative ulcers and diseases caused by the morbidity of *kapha* and *pitta*. Root paste is applied to painful swellings and piles. Leaves cure asthma and seeds are used in snakebite.

Formulations: Dantyarista, Dantyadi churna, Dantiharitakileham, Kaisoraguggulu gulika etc.

Agrotechnology

**Propagation:** Stem cuttings. Spacing of 3 m between mounds with 2 rooted cuttings per mound

*Harvesting:* Roots can be collected at the end of second year. The roots are to be cut and dried in sun before marketing. The yield is about one tonne root/ha.







