

VITALITYtm COVER CROP RADISH



DESCRIPTION:

VITALITY Radish is a multi-purpose “Daikon type” (*Raphanus sativas* var. *longipinnatus*), also referred to as forage or fodder radish and has been selected for use in cover crop systems to improve water quality, and increase farmland productivity. VITALITY Radish is an agronomic tool to alleviate soil compaction, suppress weeds, capture, recycle & redistribute N and other nutrients in the soil profile, enhance seedbed for following crop, reduce nitrate leaching, reduce runoff & control erosion, build soil organic matter & microbial action, and attract beneficial insects.

Seeding Rates:

- 8-10 Lbs/Acre drilled
- 12-14 Lbs/Acre broadcast
- 14-16 Lbs/Acre aerial into standing
- corn or soybeans

Planting Dates in the Mid-Atlantic:

- Mid July- October 1
 - Establishes rapidly with adequate soil moisture.
- Late plantings will “mine” nutrients, but will not realize the benefits of the fleshy root development.
- Later plantings may increase winter hardiness

High Quality Seed: Tested and labeled in accordance with Maryland Seed Law and Regulations, and found free of prohibited noxious weeds.

For the Maryland Agricultural Water-Quality Cost-Share (MACS) Program for details, refer to; http://mda.maryland.gov/resource_conservation/Pages/cover_crop.aspx

Features:

- Extremely rapid establishment & growth
 - Full benefits in 30-45 days
 - ~7,000 Lbs of production of dry matter is typical
- “Bio- Driller”
 - Fleshy top root up to 12-20”
 - Leaves root holes (Plant population density affects fleshy root-size development)
 - Taproot can penetrate 6 feet or more.
 - Creates open root channels
 - Penetrates plow pan layer
- Winter kills easily
- Decomposes quickly
- High in nutrients & contains glucosinolates
- Fits into conventional, conservation till, and organic farming systems.
- Reduce herbicide use
- Improves seed bed for following crop
- Does not immobilize N
- Releases N early
- Reduces Leaching
- Can take up 100-150lbs per acre of N