



FUNCTIONAL COVER CROPS

SUMMER



WINTER



Lucerne (*Medicago sativa*)

- Perennial Plant Legume
- Soil - Deep well drained wet & sandy Neutral to alkaline soils
- Tolerance - Dry conditions

Birdsfoot trefoil (*Lotus corniculatus*)

- Nitrogen fixation Soil
- Tolerance - Cold and frost - Acidic and water logged
- Can be combined with covers to provide a mulch on a slope, reduce water runoff, soil loss, and pesticide loss.



Brown Mustard (*Brassica juncea*)

- Biofumigation Nitrogen fixation
- Soil - Any soil type and climate condition
- It can be sown early spring to mid fall. Should not follow other Brassica crops in rotation.

Sweet clover (*Melilotus officinalis*)

- Legume Soil - Calcareous loamy and clay PH above 6.5
- Nitrogen fixation
- Excellent at extracting potassium (K), phosphorus (P) and other soil nutrients from insoluble minerals.



Phacelia (*Phacelia tanacetifolia*)

- Annual Plant Pollination
- Attract beneficial insects - Especially Hoverflies
- Nectar-rich. Long flowering period

Dill (*Anethum graveolens*)

- Annual Plant Soil - Well-drained
- Attract beneficial insects
- It attracts predatory insects such as Lacewings, Ladybugs, Hoverflies, Parasitic Wasps and Orius.



Coriander (*Coriandrum sativum*)

- Annual Plant - Grows well in warm weather conditions.
- Attract beneficial insects
- Attracts insects such as Lacewings, Ladybugs, Hoverflies, Parasitic Wasps and Tachinid flies.

Buckwheat (*Fagopyrum esculentum*)

- Build organic matter Soil - Suitable for poorer and rocky soils.
- Attract beneficial insects & predators.
- Short season crop that grows to a height of 0.3 m. Utilises relatively unavailable nutrients in the soil.



Caraway (*Carum carvi*)

- Biennial Plant - Grows well in cool weather conditions
- Soil - Drained sandy soils, pH of 6 - 7
- Attracts beneficial insects such as Orius, Lacewings, Damselbugs and Big Eyed Bugs.



Canola (*Brassica napus* cv. AV Jade)

- Annual Plant Taproot System
- Soil - Most soil types except sandy & waterlogged soils. Grown at +/- 21°C
- Flowering Time: Planted in June: 70 days after planting. Planted in May: 120 days after planting.

Nemat (*Eruca sativa*)

- Annual Plant Soil
- Legume - Moist soil, during cool conditions
- Planted from seed during spring. It does not gown well during summer warm conditions.



Common yarrow (*Achillea millefolium*)

- Build organic matter Nitrogen fixation
- Weed suppression
- Attracts beneficial insects such as Ladybugs, Hoverflies, Parasitic Wasps and Tachinid flies.

Lentil (*Lens esculenta*)

- Annual Plant Soil
- Legume pH of 6 - 8
- Tolerance - Frost and drought



Cosmos (*Cosmos bipinnatus*)

- Annual Plant Tolerance - Frost
- Attract beneficial insects & organisms
- Attract Spiders, Parasitic Nematodes, Orius, Lacewings, Damselbugs and Big Eyed Bugs.

Spike speedwell (*Epithet spicata*)

- Perennial Plant Soil - Loamy & well drained well-drained
- Tolerance - Frost
- Attracts beneficial insects such as Ladybugs, Hoverflies, Parasitic Wasps and Tachinid flies.



White mustard (*Sinapis alba* cv. Braco)

- Annual Plant - Grows well in cool weather conditions
- Biofumigation - Flowering in warmer weather conditions
- Nematode control & Suppression