



SUMMER

BENEFICIALS AND THEIR PREY



Sorghum (hybrid) = Sudangrass x forage sorghum (cow candy)
Build organic matter - Esp carbon
Soil - Shallow with high clay content
Tolerance - Heat and drought
- Does not tolerate frost

Sunn Hemp (*Crotalaria juncea*)

Legume Nitrogen fixation
Tolerance - Drought Soil - Well-drained
Grows well in hot, arid and semi-arid areas.
It improve soil health and recycle nutrients.



Cowpea (*Vigna unguiculata*)
Annual Legume Nitrogen fixation
Tolerance - Sandy soil & Low Rainfall
Usually grows under a dryland system
Sensitive to waterlogging. Animal feed

Marigold (*Tagetes erecta*)

Annual Plant Soil - Drained (Grows well in the sun)
Tolerance - Hot summers
Attract Ladybugs, Hoverflies, Parasitic Wasps, Tachinid flies, Orius, Damsel Bug & Big Eyed Bugs.



Sunflower (*Helianthus annuus*)
Annual Plant Broadleaf
Strong tap roots that benefit soil function
Growing period ranges from 125-130 days
Tolerance - Low and high temperatures
- Optimum temp of 23-28°C.

Red clover (*Trifolium pratense*)

Annual Legume Nitrogen fixation
Attract beneficial insects
It improves topsoil quality
Can be overseeded into a standing crop



Fennel (*Foeniculum vulgare*)
Perennial Plant Grows well in warm weather conditions and well-drained soil
Attract beneficial insects
such as Lacewings, Ladybugs, Parasitic Wasps, Tachinid flies, Orius, Damsel Bug & Big Eyed Bugs.

Basil (*Ocimum basilicum*)

Build organic matter Soil - Positive effect on soil productivity.
Weed suppression - Best Grown in hot dry conditions
The incorporation of basil in soil could reduce the number of bacterial colonies.

**Lacewings**

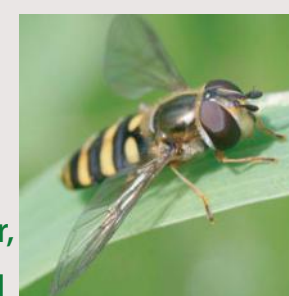
Feed on - Aphids
- Certain mite species
Attracting cover crop - Dill, Fennel, Coriander, Cosmos and Caraway

**Ladybugs**

Feed on - Aphids
- Insect larvae & eggs
Attracting cover crop - Dill, Fennel, Coriander, Common Yarrow, Marigold, Spike Speedwell

**Hoverflies** (Syrphids)

Feed on - Aphids
- Mealybug
Attracting cover crop - Dill, Coriander, Common Yarrow, Marigold, Spike Speedwell

**Parasitic Wasps**

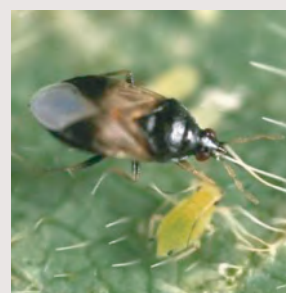
Feed on - Parasitize Stink bug eggs
- Leafminer, Pupae and Catterpillars
Attracting cover crop - Dill, Coriander, Common Yarrow, Marigold, Spike Speedwell

**Tachinid Flies**

Feed on - Stink bugs
- Catterpillars & Beetle Larvae
Attracting cover crop - Dill, Coriander, Fennel, Common Yarrow, Marigold, Spike Speedwell

**Minute Pirate Bugs** (Orius)

Feed on - Aphids - Thrips
- Scale Insects
Attracting cover crop - Caraway, Cosmos, Fennel, Marigold

**Damsel Bugs**

Feed on - Aphids - Leafhoppers
- Small Catterpillars
Attracting cover crop - Fennel, Marigold, Cosmos and Caraway

**Big Eyed Bugs**

Feed on - Insect eggs
- Leafhoppers
Attracting cover crop - Caraway, Cosmos, Fennel, Marigold

