

The following tables give a general snapshot of some of the benefits you can expect from the more common cover crops.

While many factors can influence the effectiveness of a cover crop, these tables are intended to provide a starting point for strategically planning to achieve what you wish to accomplish.

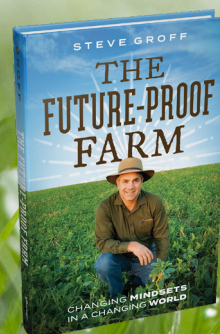
The table below is a summary of benefits from single cover crop species, while the table on the next page gives those for mixtures.



Single Species

WHAT DO YOU WANT TO ACCOMPLISH?	RADISH	ANNUAL RYEGRASS	CEREAL RYE OR TRITICALE	SUNN HEMP	WINTER PEA	HAIRY VETCH	CRIMSON CLOVER	SORGHUM SUDAN GRASS
FERTILITY								
Spring N fixation	○	○	○	○	◐	◐	◐	○
Summer N fixation	○	○	○	●	◐	◐	◐	○
Scavenge N in fall	●	●	●	◐	◐	◐	◐	●
Scavenge N in spring	○	●	●	○	◐	◐	◐	○
Fast nutrient release	◐	◐	◐	◐	●	●	●	◐
SOIL BENEFITS								
Reduce wind erosion	●	◐	●	●	◐	◐	◐	●
Reduce water erosion	◐	●	●	◐	◐	◐	◐	◐
Alleviate compaction	●	●	◐	◐	◐	◐	◐	◐
Add soil organic matter	●	◐	◐	◐	◐	◐	◐	●
Winter survivability	◐	◐	●	○	◐	●	◐	○
Root knot nematode reduction	○	○	○	◐	○	○	○	◐
FUNCTIONS								
Stands erect	●	◐	●	●	◐	◐	◐	●
Length of vegetative stage	◐	◐	●	◐	◐	◐	◐	◐
Winter ground cover	◐	●	●	◐	◐	◐	◐	◐
Total above-ground biomass*	◐	◐	◐	●	◐	◐	◐	●

*Optimal planting window



○ NOT APPLICABLE
 ◐ FAIR
 ◑ GOOD
 ◒ VERY GOOD
 ◓ EXCELLENT

Popular Mixes

	WHAT DO YOU WANT TO ACCOMPLISH?	3 lbs Radish 10 lbs Crimson Clover	3 lbs Radish 10 lbs Crimson Clover	3 lbs Radish 8 lbs Crimson Clover 9 lbs Annual Ryegrass	3 lbs Radish 40 lbs Triticale or Cereal Rye	3 lbs Radish 8 lbs Crimson Clover 35 lbs Triticale or Cereal Rye	3 lbs Radish 30 lbs Oats	3 lbs Radish 10 lbs Sunn Hemp 8 lbs Sorghum Sudan
FERTILITY	Spring N fixation	◑	○	◑	○	◑	○	○
	Summer N fixation	◑	○	◐	○	◐	○	◑
	Scavenge N in fall	◑	◓	◓	◓	◓	◓	◓
	Scavenge N in spring	◐	◑	◑	◑	◑	○	○
	Fast nutrient release	◓	◐	◐	◐	◐	◑	◑
SOIL BENEFITS	Reduce wind erosion	◑	◓	◓	◓	◓	◑	◓
	Reduce water erosion	◑	◓	◓	◓	◓	◑	◓
	Alleviate compaction	◑	◓	◓	◑	◑	◑	◑
	Add soil organic matter	◑	◓	◑	◓	◑	◑	◓
	Winter survivability	◑	◑	◑	◑	◑	○	○
FUNCTIONS	Species diversity	◑	◑	◓	◑	◓	◑	◓
	Prevent Plant - dry	◐	◐	◐	◐	◐	◑	◑
	Prevent Plant - wet	◐	◐	◐	◑	◑	◑	◑
	First time cover cropping	◓	◐	◐	◑	◑	◓	◑
	Interseeding	◓	◓	◓	◑	◑	◑	○

