

Crop	variety	Lbs/ac alone	mixed	Seed depth	Planting Dates	Winter Kill	Plant height
Alfalfa	Buffalo	20-25lbs	10-15lbs/ac	¼" - ½" clay or loam soils ½" - ¾" sandy soils	Germinates when soil temp above 37 Late sow 6 weeks before killing frost	Not usually	30"
Austrian Winter Pea		70-120lbs		1-2"	Early spring/late fall (4-6 weeks before frost)	Yes Can withstand temperatures as low as 10° F with only minor injury But they don't overwinter consistently in areas colder than Hardiness Zone 6	3'-5"
Spring Barley	Robust	96lbs		1"-1½"	Wide range, regionally March-November Germ at 40 deg, optimum 55-75 deg	Yes, below 17 deg Hardier than oats, less than wheat or rye	2'-4'
Clover	Medium red	10-15lbs		¼"-½"	February-May or August -October 6 weeks before killing frost	No	24-36" (up to 8' 2 nd yr!)
Clover	Sweet yellow	15-20lbs		¼"-½"	Late summer/6 weeks before killing frost	No	24"
Clover	Crimson	20-40lbs		¼"-½"	6-8 weeks before first frost	Yes Can survive 0 F	18"
Clover	Dutch white	9lbs	2-5lbs/ac	1/8" - 1/4"	Early spring, late summer, frost seed	No	4"-12"
Rape		6-10lbs		1/8" - 1/4"	Min 45° F; max 85° F, 4 weeks before 1 st frost	Yes	3'-5'
Cowpeas	Iron & clay	60lbs		½"	Plant when soil temp greater than 65° F	Yes	
Hairy Vetch		25lbs		1"-1½"		Not usually, (winter hardy)	24"
Sunn Hemp		15-20lbs		½"-1"	Will germinate at 48°F Better performance when warmer	Yes	
Phacelia	Lacey	7-12lbs (5-7drilled)		1/8" - 1/4"	Early spring, late fall. Best germ: soil temp 37-68 F	Yes at 18 deg F	24"-36"
Millet	Japanese	20-30lbs		¼"-½"	After last killing frost	Yes	2'-5'
Millet	Pearl	15-20lbs	5-10lbs/ac	3/8"-1"	Soil temperature 65 deg F or warmer	Yes	4'-8'
Mustard	Yellow	10-15lbs	5-12lbs/ac	¼"-¾"	Spring or late summer/fall at least 4 weeks before frost. Germinates at 40°F. Flowers in 4-6 weeks.	Yes winterkills at about 25° F	30"-45"
Radish	Daikon	8-15lbs		¼"-½"	Spring for weed suppression with soil temp 45 deg But best in fall, 4-10 weeks before frost, Aug/Sep	Yes Usually winterkill below 20 Tolerates light frosts. Injury when temp below mid-20s	13"-36", roots 6"-18"
Sorghum Sudangrass		25lbs (20lbs drilled)		½"-1"	Usually July-Aug, soil temp above 60°F/65°F	Yes	5'-12'
Spring Oats		100lbs	50lbs/ac	½"-¾"	Allow 6-10 weeks of cool-season growth, germ at 43°F	Yes	30"-48"
Winter Rye		100lbs	50lbs/ac	1"-2"	Germ at 34° F. Grow at temperatures as low as 38° F	No	30"-48"
Winter Wheat		120lbs		½"-1"	Late summer, early fall/winter depending on zone Germ at 39 deg, optimal at 68	No	30"-48"
MIXES							
Beneficial Insect Mix		12lbs	mixed	broadcast/ light cover	After frost in spring till early fall	Yes	
Honeybee Flower		6-12lbs	mixed	broadcast/ light cover	After last killing frost	Yes	
Summer Maxx		50-75lbs	mixed	½"-1"	After last killing frost	Yes	
Rye/Pea		100lbs	mixed	1"-2"	Fall	No	

Crop	N fixed lb/ac	Other +'s	Forage	Other
Alfalfa	130-220	Buffalo: resistance to bacterial wilt Rapid re-growth after cutting	Yes	Alfalfa Management Guide from Agronomy.org
Austrian Winter Pea	70-120		Yes	Field Peas Info from SARE
Spring Barley			Yes	Barley Info from SARE
Clover	70-150		Yes	Red Clover Info from SARE
Clover	80-200		Yes	Sweet Clover Info from SARE
Clover	80		Yes	Crimson Clover Info from SARE
Clover	100		Yes	White Clover Info from SARE
Rape		biological activity against plant parasitic nematodes as well as weeds	Yes	Brassicas and Mustards Info from SARE
Cowpeas		smother		Cowpeas Info from SARE
Hairy Vetch	80-200lbs			Hairy Vetch Info from SARE
Sunn Hemp	100lbs	biomass		Sunn Hemp Production Guide from PetcherSeeds.com
Phacelia				Phacelia Info from NRSC
Millet		smother	Yes	USDA Plant Guide Info on Japanese Millet
Millet		better drought tolerance		Pearl Millet Info from CAES
Mustard				Brassicas and Mustards Info from SARE
Radish				Brassicas and Mustards Info from SARE
Sorghum Sudangrass		Smother + allelopathic		Sorghum Sudangrass Info from SARE
Spring Oats		Smother+allelopathic+nurse		Oats Info from SARE
Winter Rye				Cereal Rye Info from SARE
Winter Wheat		Smother + allelopathic		Winter Wheat Info from SARE
MIXES				
Beneficial Insect Mix				
Honeybee Flower				
Summer Maxx				
Rye/Pea				