



PASTURE/HAY/TURF

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Item Name Description	Soil Accommodations	Planting Range	Drilling Depth	Seeding Rate
RYEGRASS PERENNIAL - FORAGE Establishes rapidly, excellent wear tolerance. Relatively high-yielding, high nutrient value. Grows from 1-2 ft tall. Recovers rapidly and tillers extensively. Best used for grazing or haylage in mixture with red clover or white clover.	Best on heavier, moisture- holding soils. Not suited for sandy ground.	March-May, August Can be frost seeded early spring in permanent pasture.	1/4"	Drill: 12-15 lb/ac Broadcast: 20-25 lb/ac Mix: 6-10 lb/ac
SWITCHGRASS - BLACKWELL				
SWITCHGRASS - CAVE-IN-ROCK SWITCHGRASS - VNS Warm season, native bunch grass that is winter-hardy and drought tolerant. The height and extensive root system of switchgrass can cause it to become dominant over time in mixtures with other natives. It has moderate salt tolerance and can be used for soil conservation, warm season pasture, hay, and wildlife habitat.	Prefers lowlands but is adapted to a wide range of soils and climates including sand.	April - May, August	1/4"	Drill 5-8 lb/ac Broadcast: 8-10 lb/ac Mix: 1-3 lb/ac
TALL FESCUE - MEADOW Highly productive, winter-hardy bunch grass that is more persistent than perennial ryegrass. Strong summer production under hot, dry conditions. Works well in long-term pastures due to its nutrient value and palatability. Low endophyte.	Grows in cool, moist conditions and tolerates wet soils with occasional flooding. Can reach 30" tall in rich soil.	March - May, August - September	1/4" 7	Drill: 8-10 lb/ac Broadcast: 12-15 lb/ac Mix 6-12 lb/ac
TALL FESCUE - VNS Works well as a companion grass with alfalfa because it establishes and matures at similar rates. Deep rooted, hardy, bunch-type grass. Its extensive root system helps withstand drought conditions. More productive in midsummer than brome. Suitable for hay or pasture. Can be seeded in pure stands or with other grasses or legumes. Ideal for winter stockpiling as cut hay or pasture.	Adapted to all soil types from drought-prone to poorly drained and wet soil.	March - May, August	1/4"	Drill: 20-25 lb/ac Broadcast: 12-15 lb/ac Mix: 4-12 lb/ac
HARD FESCUE Fine-bladed fescue species with bluish-green appearance. Bunch-type growth and relatively slow growing. Toughest of all the fescues, most drought resistant, shade tolerant, and disease resistant.	Adapted to most soil types. Does not require fertilizer or watering.	February - May, August - September	1/4"	Drill: 5-10 lb/ac Broadcast: N/A Mix: Not Recommended
TEFF Highly productive warm-season grass used for haying or grazing. Its fine stems and blades make it highly palatable for all classes of livestock. It also has a high crude protein level. Harvest in pre-boot to early boot stage about 45- 50 days after planting. Leave 3-4 inches when cutting or grazing.	Needs at least 50 lbs N, adequate P, K, and S.	Late May - Late July (soil 62°F+)	1/8"	Drill & Roll: 8-12 lb/ac Broadcast & Roll: 8-12 lb/ac Mix: Not Recommended
TIMOTHY A shallow-rooted, perennial, cool-season grass well adapted to the Upper Midwest. Very winterhardy and palatable. Better for hay crop than as a pasture species. Usually mixed with alfalfa or clover for hay or pasture. Preferred grass in horse hay.	Best production is on heavy ground and cooler climates.	March - May, August Can be frost seeded.	1/4"	Drill: 6-8 lb/ac Broadcast: 12-16 lb/ac Mix: 1-2 lb/ac
WHEATGRASS - INTERMEDIATE A long-lived, cool-season grass with short rhizomes and a deep-feeding root system. Produces good hay yields, both individually and with alfalfa. Provides excellent spring, early summer, and fall pasture, but must be carefully managed to ensure maintenance of the stand and high production. Responds well to irrigation in a single cutting system and will outyield smooth brome.	Prefers well-drained, loamy soils. Will tolerate slightly acidic to mildly saline conditions and is cold tolerant.	March - Mid- May, August	1/4"	Drill: 10-12 lb/ac Broadcast: N/A Mix: Variable
CLOVERS				
ALSIKE CLOVER ALSIKE CLOVER - ORGANIC Perennial used for hay, pasture, and soil improvement. Performs well in mixes.	Grows in moist and acidic soils (down to pH of 5.0). Performs best on wetter ground; tolerant of occasional flooding and poorly drained soils.	February - May, July - August Can be frost seeded.	1/4" 🔫	Drill: 1-3 lb/ac Broadcast: 3-5 lb/ac Mix: 6-10 lb/ac
BALANSA CLOVER (FIXATION ANNUAL) Quick-establishing, cool-season, annual legume that produces good biomass accumulation and N fixation. More cold tolerant than crimson clover; can potentially overwinter or be used as an early fall cover crop after silage corn, small grains, or early soybeans. Can be included in cover crop and grazing mixes.	Very cold tolerant and adapted to a wide range of soil types.	February - March, August - September	1/4" 🗸	Drill: 3-6 lb/ac Broadcast: 5-8 lb/ac Mix 1-4 lb/ac
BERSEEM CLOVER (SUMMER ANNUAL) Fast-growing annual for quick biomass. Fixes up to 100 lbs N at flowering. Excellent early fall cover crop potential after silage corn, small grains, or early soybeans. Slightly more cold tolerant than crimson but usually winterkills.	Adapted to a wide range of soil types.	May - June, August - October	1/4"	Drill: 10-15 lb/ac Broadcast: 15-18 lb/ac Mix: 2-8 lb/ac
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Item Name Description	Soil Accommodations	Planting Range	Drilling Depth	Seeding Rate
BERSEEM CLOVER - FROSTY (SUMMER ANNUAL) Bred for later maturity, cold tolerance, productivity, and nutritional value. Multi-cut variety with aggressive growth and establishment. Excellent palatability. Cows selectively graze it with no recorded cases of bloat. Slightly more cold tolerant than crimson clover but usually winterkills.	Adapted to a wide range of soil types.	May - June, August - October	1/4" 🗸	Drill: 10-15 lb/ac Broadcast: 15-18 lb/ac Mix: 2-8 lb/ac
CRIMSON CLOVER (SUMMER ANNUAL) CRIMSON CLOVER (SUMMER ANNUAL) - ORGANIC Very versatile legume cover crop with exceptional biomass and nitrogen production. Fall biomass production can be significant enough to reduce soil erosion and out-compete weed species, better then hairy vetch. Its taproot has the potential to reach a depth of 12-21" and has the ability to produce and scavenge residual N.	Prefers well-drained soils. Can be successfully sown into an existing, aggressive stand of grass if the seed is lightly incorporated into very short biomass.	May - June, August - October	1/4" 🗸	Drill: 10-15 lb/ac Broadcast: 15-18 lb/ac Mix: 2-8 lb/ac
LADINO WHITE CLOVER Fixes the most nitrogen, is taller and higher yielding, but less persistent than White Dutch.	Widely adapted, easy to establish, and prefers medium to heavy soils. Is not drought tolerant.	February - May, August - October	1/8"	Drill: 4-6 lb/ac Broadcast: 5-8 lb/ac Mix: 2-4 lb/ac
MAMMOTH RED CLOVER MAMMOTH RED CLOVER - ORGANIC Single-cut red clover most often used as a cover crop. Excellent choice for under-seeding small grains in spring, fall seeding into standing crops, or frost seeding into winter grains. Establishes faster and is coarser stemmed than medium red clover.	Prefers wet and low pH soils that won't support alfalfa. Better adapted to heavier soils.	February - May, August - October Can be frost seeded.	1/8"	Drill: 10-15 lb/ac Broadcast: 15-18 lb/ac Mix: 2-8 lb/ac
MEDIUM RED CLOVER - VNS MEDIUM RED CLOVER - VNS - ORGANIC Biennial or short-lived perennial that is very versatile while producing high quality forage. It can be used for hay, pasture, silage, soil improvement, or cover crop.	Widely adapted to broad range of soil types and growing conditions.	February - May, July - August	1/4" 7	Drill: 10-15 lb/ac Broadcast: 15-18 lb/ac Mix: 2-8 lb/ac
WHITE DUTCH CLOVER A low-growing perennial clover commonly used in lawns, but can also be used for weed and erosion control. Attracts pollinators and is easily established in both new seedings and interseeding situations.	Widely adapted and prefers medium to heavy soils. Is not drought tolerant.	February - May, July - August	1/8"	Drill: 6-8 lb/ac Broadcast: 8-10 lb/ac Mix: 1-3 lb/ac
YELLOW BLOSSOM SWEET CLOVER YELLOW BLOSSOM SWEET CLOVER - ORGANIC Tall-growing biennial clover closely related to alfalfa with high biomass and N fixation potential. Blooms and matures earlier and is more persistent and drought tolerant than white clover. Good scavenger of P, K, and other immobile nutrients.	Prefers fertile loam soil, however is very drought tolerant and can withstand low fertility, salinity, and high pH.	February - May, August	1/4" 7	Drill: 8-12 lb/ac Broadcast: 15 lb/ac Mix: 2-5 lb/ac
TURF GRASSES				
HB SPORTS TURF Provides a dense, dark green turf suitable for lawns, activities, and sports. Establishes and regrows quickly; easy to maintain. Mow as needed.			1/8"	Drill or Broadcast: 7 lb/1,000 sq ft 300 lb/ac
FESCUE - TURF TYPE Fine-bladed tall fescue variety for excellent turf quality. Ideal for home lawns, athletic fields, commercial lots, and farmstead applications. Excellent on non-irrigated areas. Very good traffic and drought tolerance.	Adaptable to most soil types. A starter fertilizer should be used.	Spring or fall	1/8"	Drill or Broadcast: 250-300 lb/ac
KENTUCKY BLUEGRASS Deep roots and exceptional performance in drought conditions. Great choice for low maintenance situations. Germinates and establishes rapidly. Good overall disease resistance including dollar spot, rust, summer patch, and red thread.			1/8"	Drill or Broadcast: 50-100 lb/ac
RYEGRASS PERENNIAL - TURF Rich green bunchgrass-type turf that germinates quickly, suppresses weeds, and provides erosion control. Tolerant to high traffic and has good disease resistance. Works well in mixes. Special Note: If you intend to use grass for feeding livestock make sure you purchase the "Forage Type" Perennial Ryegrass or a mix of seed that is specific for using as a forage. Turf Type Perennial Ryegrass and other turf type grass may contain endophytes that could harm livestock if grazed upon. Contact your animal health care provider for further information.	Can grow in a variety of soil types, grows best in full sun to part shade.	Spring and early fall	1/4" 7/2"	Drill or Broadcast: 4-5 lb/1000 sq ft (220 lb/ac)



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