



Pawnee Buttes Seed Inc.

"We Sell More Than a Bag of Seed."

2022 Price List

Take a Look Inside at Our
Inventory of More Than
500 Species of Seed!



Ask about our Guide To Grasses!

Free for Pick Up | \$5 To Ship

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| KENTUCKY BLUEGRASS | | PER LB | TURF MIXES | | PER LB |
|---|--|---------------|--------------------------------------|--|---------------|
| Blackjack Cert. Sod | | \$5.00 | PBSI Little League Tall Fescue Blend | | \$3.00 |
| Blueberry Cert. Sod | | \$5.00 | PBSI Rocky Mountain Fairway Mix | | \$5.46 |
| Endurance Cert. Sod | | \$5.00 | PBSI Shady Lawn Mix | | \$3.50 |
| Fielder Cert. Sod | | \$5.25 | BLUESTEM | | PER LB |
| Full Moon Cert. Sod | | \$5.25 | Big Bluestem, Bison | | \$15.00 |
| Geisha Cert. Sod | | \$6.00 | Big Bluestem, Bonilla | | \$15.00 |
| Mercury Cert. Sod | | \$5.55 | Big Bluestem, Kaw Cert. | | \$15.00 |
| Moonlight SLT Cert. Sod | | \$5.60 | Big Bluestem, Pawnee Cert. | | \$15.00 |
| Prosperity Cert. Sod | | \$5.25 | Little Bluestem, Aldous Cert. | | \$12.00 |
| Right Cert. Sod | | \$6.00 | Little Bluestem, Badlands | | \$12.00 |
| Sombrero Cert. Sod | | \$5.85 | Little Bluestem, Blaze Cert. | | \$12.00 |
| Texas Thermal Blue Cert. Sod | | \$6.00 | Little Bluestem, Camper Cert. | | \$12.00 |
| Texas United Cert. Sod | | \$6.00 | Little Bluestem, Cimarron | | \$13.50 |
| Tirem Cert. Sod | | \$5.25 | Little Bluestem, Itasca | | \$12.00 |
| PERENNIAL RYEGRASS | | PER LB | Little Bluestem, Pastura Cert. | | \$12.00 |
| P. Ryegrass, PHD Blend Cert. | | \$3.30 | Sand Bluestem, Champ | | \$18.00 |
| P. Ryegrass, Playmate Blend Cert. | | \$3.30 | Sand Bluestem, Chet | | \$18.00 |
| BENTGRASS | | PER LB | Sand Bluestem, Garden Co. Cert. | | ASK |
| Alpha Cert. | | ASK | Sand Bluestem, Goldstrike | | \$18.00 |
| L-93 Cert. | | ASK | Sand Bluestem, Woodward | | ASK |
| Macdonald Cert. | | ASK | Yellow Bluestem, Ironmaster | | \$27.00 |
| Penn A-1 Cert. | | \$18.75 | Yellow Bluestem, Plains | | \$24.00 |
| Penn A-4 Cert. | | \$17.65 | Yellow Bluestem, WW Spar | | \$24.00 |
| Penncross Cert. | | \$12.00 | Yellow Bluestem, WW-B'dahl | | \$36.00 |
| Penneagle II Cert. | | ASK | BROMEGRASS | | PER LB |
| Pennlinks II Cert. | | \$13.25 | Fringed Brome | | \$15.00 |
| Pennway Cert. | | \$9.75 | Meadow Brome, Cache Cert. | | \$7.00 |
| Penntrio | | \$13.25 | Meadow Brome, Fleet Cert. | | \$7.00 |
| Seaside II Cert. | | \$15.00 | Meadow Brome, Paddock Cert. | | \$7.00 |
| T-1 Cert. | | ASK | Meadow Brome, Regar Cert. | | \$7.00 |
| FESCUE- TURF TYPE | | PER LB | Meadow Brome, UP Cold Spring SID | | ASK |
| Chewings Fescue, Seducer | | \$4.50 | Mountain Brome, Bromar Cert. | | \$4.50 |
| Chewings Fescue, Longfellow 3 | | \$3.00 | Mountain Brome, Garnet Cert. | | \$4.50 |
| Chewings Fescue | | \$4.50 | Nodding Brome | | \$23.00 |
| Creeping Red, Chantilly Cert. | | \$6.00 | Smooth Brome, Bedrock Cert. | | \$7.00 |
| Creeping Red, Chantilly Cert. *50% Coated | | \$2.80 | Smooth Brome, Carlton Cert. | | \$7.00 |
| Creeping Red, Ruddy *50% Coated | | \$3.00 | Smooth Brome, Lincoln | | \$7.00 |
| Hard, Durar, Cert. | | ASK | Smooth Brome, Manchar Cert. | | \$7.00 |
| Hard, Eureka II, Cert. | | \$3.75 | BUFFALOGRASS | | PER LB |
| Hard, SR3150 | | \$3.75 | Bison, Cert. Primed with KN03 | | \$36.00/PLS |
| Sheep, Covar Cert. | | ASK | Bowie, Cert. Primed with KN03 | | \$35.00 |
| Sheep, Paradise Cert. | | \$4.80 | Cody, Cert. Primed with KNO3 | | \$35.00 |
| Sheep, Quatro Cert. | | \$4.80 | Sundancer, Cert. Primed with KNO3 | | \$38.00 |
| Sheep, Quatro Cert. *50% coated | | \$3.00 | Sharps Improved II, Primed with KNO3 | | \$36.00/PLS |
| Tall, Cumberland Cert. Sod | | \$3.00 | Texoka, UNPRIMED | | \$36.00 |
| Tall, Escalante Cert. Sod | | \$3.00 | Texoka, Primed with KN03 | | \$36.00 |
| Tall, Fox Hound Cert. Sod | | \$3.00 | Texoka, Cert. Primed with KN03 | | \$36.00 |
| Tall, Garrison Cert. Sod | | \$3.00 | | | |
| Tall, Grande 3 Cert. Sod | | \$3.00 | | | |
| Tall, Life Guard Sod | | \$3.00 | | | |
| Tall, Memphis Cert. Sod | | \$3.00 | | | |
| Tall, Rain Dance Cert. Sod | | \$3.00 | | | |
| Tall, Royal Star Sod | | \$3.00 | | | |
| Tall, Rhizing Moon Sod | | \$3.00 | | | |
| Tall, Rhizing Star Sod | | \$3.00 | | | |
| Tall, Saltillo Cert. Sod | | \$3.00 | | | |
| Tall, Turfway Sod | | \$3.00 | | | |



| FESCUE | PER LB | SWITCHGRASS | PLS LBS |
|----------------------------------|----------------|------------------------------|----------------|
| Arizona, Redondo Cert. | \$16.50/PLS | Blackwell | \$12.00 |
| Blue | ASK | Cave-n-Rock | ASK |
| Idaho, Joseph Cert. | \$12.00/PLS | Dacotah | \$12.00 |
| Idaho, Nezpurs Cert. | \$12.00/PLS | Forestberg | ASK |
| Idaho, Winchester | \$12.00/PLS | Nebraska 28 Cert. | \$12.00 |
| Rocky Mountain | \$9.00/PLS | Pathfinder Cert. | ASK |
| Rough | \$100.00 | Summer Cert. | ASK |
| Tall, Fawn E.F. | \$3.00 | Sunburst Cert. | ASK |
| Tall, KY 31 | \$3.00 | Trailblazer Cert. | \$12.00 |
| GRAMA | PLS LBS | WILD RYE | PLS LBS |
| Black Grama, Nogal | ASK | Altai | ASK |
| Blue, Alma, Cert. | \$36.00 | Basin, Magnar Cert. | \$12.00 |
| Blue, Bad River Cert. | \$36.00 | Basin, Trailhead Cert. | \$10.50 |
| Blue Grama, Birdseye SID | \$36.00 | Many Stems, Shoshone Cert. | ASK |
| Blue, Hachita Cert. | \$36.00 | Blue, Airlington Cert. | \$10.50 |
| Blue, Lovington Cert. | ASK | Blue, Elkton Cert. | \$15.00 |
| Blue Grama, Native | \$36.00 | Canada, Mandan | \$7.50 |
| Sideoats, Butte Cert. | \$15.00 | Dahurian | \$6.00 |
| Sideoats, El Reno | \$15.00 | Russian, Bozoisky Cert. | \$15.00 |
| Sideoats, Haskell | \$16.50 | Russian, Bozoisky II Cert. | ASK |
| Sideoats, Killdeer | \$16.50 | Virginia | \$12.00 |
| Sideoats, Niner, Cert. | \$16.50 | WHEATGRASS | PLS LBS |
| Sideoats, Pierre Cert. | \$16.50 | Bluebunch, Anatone Cert. | \$11.00 |
| Sideoats, Trailway | \$16.50 | Bluebunch, Goldar Cert. | \$11.00 |
| Sideoats, Vaughn | \$16.50 | Crested, Ephraim. Cert. | \$6.75 |
| INDIAN GRASS | PLS LBS | Crested, Fairway, Cert. | \$6.75 |
| Cheif | \$15.00 | Crested, Hy- Crest, Cert. | \$6.75 |
| Cheyenne | \$15.00 | Hybrid, AC Salt Lander | \$11.00 |
| Holt Cert. | \$15.00 | Intermediate, Chief | \$8.25 |
| NE54 Cert. | \$15.00 | Intermediate, Manifest Cert. | \$8.25 |
| Osage | \$15.00 | Intermediate, Rush Cert. | \$8.55 |
| Scout Cert. | \$15.00 | Pubescent, Luna Cert. | \$9.00 |
| Tomahawk | \$15.00 | Pubescent, Manska Cert. | \$9.00 |
| INDIAN RICEGRASS | PLS LBS | Siberian, Vavilov II Cert. | \$6.75/BULK |
| Nezpar Cert. | \$45.00 | Slender, First strike Cert. | \$9.00 |
| Paloma Cert. | \$45.00 | Slender, Pryor, Cert. | \$9.00 |
| Rimrock Cert. | \$45.00 | Slender, Revenue Cert. | \$9.00 |
| Indian Ricegrass | \$45.00 | Slender, San Luis Cert. | \$9.00 |
| White River | \$45.00 | Slender, White River SID | \$9.00 |
| LOVEGRASS | PLS LBS | Snake River, Discovery | \$10.50 |
| Sand Lovegrass | \$18.00 | Snake River, Secar. Cert. | \$9.50 |
| Sand Lovegrass, Bend | \$19.00 | Streambank, Sodar, Cert. | \$11.25 |
| Sand Lovegrass, NE27 | ASK | Tall, Alkar Cert. | \$3.50 |
| Weeping Lovegrass | ASK | Tall, Jose, Cert. | \$3.50 |
| ORCHARDGRASS | PER LBS | Thickspike, Wheat | \$11.00 |
| Amba | ASK | Thickspike, Critana, Cert. | \$12.00 |
| Athos | \$4.05 | Western, Arriba, Cert. | \$13.00 |
| Endurance | \$4.05 | Western, Barton, Cert. | \$13.00 |
| Latar | \$4.05 | Western, Rosana, Cert. | \$13.00 |
| Paiute Cert. | \$4.50 | | |
| Potomac Cert. | \$4.05 | | |
| Tekapo | \$4.05 | | |
| RYEGRASS | PER LB | | |
| Annual Ryegrass, Diploid, Kodiak | \$1.10 | | |
| Italian Rye, Fox | \$1.60 | | |
| Italian Rye, Max | \$1.50 | | |
| Perennial, Linn Cert. | \$3.00 | | |
| Perennial, Belida | \$3.00 | | |
| Tetraploid Annual, Augusta | \$1.10 | | |
| Tetraploid Perennial, Kentaur | \$3.00 | | |

**NATIVE, PASTURE, & RECLAMATION GRASSES PER LB**

| | |
|---|--------------|
| Alkali Sacaton | \$27.00/PLS |
| Alkali Sacaton, Salado Cert. | \$30.00/PLS |
| Alkaligrass, Fults Cert. | \$4.50 |
| Alkaligrass, Fults II Cert. | ASK |
| Alkaligrass, Nuttall's | ASK |
| Alkaligrass, Saltonsea | \$4.50 |
| Bermuda, UnHulled | \$8.15 |
| Bermuda, Mirage II Coated | \$10.00 |
| Bottlebrush Squirreltail | ASK |
| Bottlebrush Squirreltail, Pleasant Valley | \$30.00 |
| Bottlebrush Squirreltail, Rattlesnake | ASK |
| Bottlebrush Squirreltail, Yakama | ASK |
| Bottlebrush Squirreltail, Turkeyleg | ASK |
| Crabgrass, Red River | ASK |
| Creeping Meadow Foxtail, Garrison Cert. | ASK |
| Creeping Meadow Foxtail, Garrison Coated | \$5.50 |
| Eastern Gammagrass, Pete | ASK |
| Festulolium, Lofa 4x | \$3.00 |
| Festulolium, Perun 4x | \$3.00 |
| Festulolium, Mahulena 6x | \$3.30 |
| Galleta, Viva | \$45.00/PLS |
| Green Needlegrass, Cucharas SC | \$11.00/PLS |
| Green Needlegrass, Lodorm Cert. | \$7.50/PLS |
| Green Sprangletop | \$12.00/PLS |
| Inland Saltgrass | \$30.00/PLS |
| Kleingrass | ASK |
| Mountain Muhly | ASK |
| Needle and Thread | \$100.00/PLS |
| Plains Bristlegrass | \$23.00/PLS |
| Prairie Junegrass, SID UP SIMS Mesa | \$45.00/PLS |
| Prairie Sandreed, Bowman | \$27.00/PLS |
| Prairie Sandreed, Goshen Cert. | \$27.00/PLS |
| Purple Three-Awn | \$200.00/PLS |
| Redtop | \$8.00 |
| Reed Canarygrass, Palaton | \$12.00 |
| Sand Dropseed | \$8.25/PLS |
| Spike Muhly, El Vado | ASK |
| Spike Trisetum | \$45.00/PLS |
| Teffgrass | \$3.50 |
| Teffgrass, Corvallis Cert. Coated | \$2.30 |
| Teffgrass, Corvallis raw | \$3.50 |
| Timothy | \$3.75 |
| Timothy, Alpine | ASK |
| Timothy, Climax | \$3.75 |
| Tufted Hairgrass | \$21.00 |
| Tufted Hairgrass, Nortran | \$21.00 |

FORBS PLS LB

| | |
|---|----------|
| Achillea lanulosa-Western Yarrow | \$52.00 |
| Aquilegia caerulea-Blue Columbine | \$280.00 |
| Amorpha canescens pursh-Leadplant | \$160.00 |
| Argemone mexicana-Prickly Poppy | ASK |
| Asclepias incarnata-Swamp Milkweed | \$400.00 |
| Asclepias speciosa-Showy Milkweed | \$90.00 |
| Asclepias syriaca-Common Milkweed | \$200.00 |
| Asclepias tuberosa-Butterfly Milkweed | \$460.00 |
| Astragalus canadensis-Canada Milkvech | \$75.00 |
| Balsamorhiza sagittata-Arrowleaf Balsamroot | \$120.00 |
| Cassia fasciculata- Partridge Pea | \$22.00 |
| Castilleja spp.-Indian Paintbrush | ASK |
| Callirhoe involucrata-Purple Poppy Mallow | ASK |
| Centaurea cyanus-Tall Blue Cornflower | \$16.00 |
| Cleome serrulata-Rocky Mountain Bee Plant | \$60.00 |
| Consolida ajacis-Rocket Larkspur | \$60.00 |
| Coreopsis lanceolata-Lance-Leaved Coreopsis | \$30.00 |

| | |
|--|----------|
| Coreopsis tinctoria-Plains Coreopsis | \$28.00 |
| Dalea candida-White Prairie Clover | \$80.00 |
| Dalea purpurea-Purple Prairie Clover, Kanab | \$50.00 |
| Delphinium hesperium-Western Larkspur | ASK |
| Desmanthus illinoensis-Illinois Bundleflower | \$16.00 |
| Dianthus barbatus-Sweet Williams Pink | ASK |
| Echinacea angustifolia-Black Sampson | \$600.00 |
| Echinacea moench-Purple Coneflower | \$32.00 |
| Echinacea pallida-Pale Purple Coneflower | \$100.00 |
| Eupatorium perfoliatum-Boneset | \$260.00 |
| Echinacea speciosa-Aspen Daisy | \$200.00 |
| Eutrochium Raf.-Joe-pye Weed | \$400.00 |
| Erigeron Speciosus-Aspen Fleabane | \$280.00 |
| Eriogonum umbellatum-Sulphur-Flower Buckwheat | \$200.00 |
| Eryngium Aquaticum-Rattlesnakemaster | \$500.00 |
| Erysimum x arshallii-Siberian wallflower | \$24.00 |
| Eschscholzia caespitosa-California Poppy | \$40.00 |
| Gaillardia aristata-Blanketflower US | \$80.00 |
| Gaillardia aristata-Blanketflower Foreign | \$60.00 |
| Gaillardia aristata Pursh-Meriwether blanketflower | ASK |
| Gaillardia pulchella-Indian Blanket | \$50.00 |
| Geranium viscosissimum- Sticky Geranium | ASK |
| Geranium viscosissimum-Wild Geranium | ASK |
| Gypsophila paniculata-Annual Baby's Breath | \$13.00 |
| Hedysarum boreale-Northern Sweetvetch, Timp | \$120.00 |
| Helenium autumnale-Sneezeweed | ASK |
| Helianthus angustifolius-Swamp Sunflower | ASK |
| Helianthus angustifolius- Narrowleaf Sunflower | \$140.00 |
| Helianthus annuus-Annual Sunflower | \$24.00 |
| Helianthus maximiliani-Maximilian Sunflower | \$40.00 |
| Helianthus pauciflorus-Stiff Sunflower | \$500.00 |
| Heliomeris multiflora-Showy Goldeneye | \$180.00 |
| Heliopsis helianthoides-Ox Eye Sunflower | \$34.00 |
| Heterotheca villosa-Hairy Golden Aster | \$520.00 |
| Ipomopsis aggregata-Scarlet Gilia | ASK |
| Ipomoea leptophylla-Bush Morning Glory | ASK |
| Iris missouriensis-Rocky Mountain Iris | ASK |
| Lespedeza capitata-Roundhead | \$120.00 |
| Linum lewisii-Lewis Flax, Maple Grove | \$60.00 |
| Linum perenne-Blue Flax, Appar Cert. | \$30.00 |
| Lomatium dissectum-Fernleaf Bisquitroot | \$96.00 |
| Lupinus alpestris-Mountain Lupine | \$200.00 |
| Lupinus perennis-Perennial Lupine | \$35.00 |
| Lupinus argenteus-Silvery Lupine | \$200.00 |
| Lupinus sericeus Pursh- Silky Lupine | \$200.00 |
| Liatris pycnostachya-Thickspike Gayfeather | ASK |
| Liatris punctata-Dotted Gayfeather | \$775.00 |
| Liatris spicata-Spiked Gayfeather | ASK |
| Machaeranthera bigelovii-Bigelows Aster | \$400.00 |
| Monarda citriodora-Lemon Mint | \$150.00 |
| Monarda fistulosa-Wild Bergamot | \$200.00 |
| Oenothera biennis-Evening Primrose | \$30.00 |
| Oenothera pallida-Pale Evening Primrose | ASK |
| Oenothera rhombipetala-Four-point Primrose | ASK |
| Oenothera speciosa-Showy Primrose | ASK |
| Oxytropis sericea-Silky Locoweed | ASK |
| Papaver rhoeas- Red Corn Poppy | \$54.00 |
| Penstemon angustifolius-Narrowleaf Penstemon | ASK |
| Penstemon eatonii-Firecracker Penstemon | \$120.00 |
| Penstemon palmeri-Palmer Penstemon | \$68.00 |
| Penstemon strictus-Rocky Mountain Penstemon | \$60.00 |



| FORBS (CONT.) | | PLS LB | Krascheninnikovia lanata-Winter Fat N.O. | | \$100.00 |
|--|--|----------|---|--|----------|
| Penstemon grandiflorus-Shell-Leaf Penstemon | | \$200.00 | Krascheninnikovia lanata-Winter Fat S.O. | | \$100.00 |
| Phacelia tanacetifolia-Lacy Phacelia | | \$20.00 | Mahonia repens-Oregon Grape | | ASK |
| Phlox austromontana-Mountain Phlox | | ASK | Prunus besseyi-Bessey Sandcherry | | ASK |
| Phacelia minor-California Bluebell | | ASK | Prunus virginiana-Chokecherry | | ASK |
| Potentilla arguta-Prairie Cinquefoil | | \$400.00 | Purshia glandulosa-Desert Bitterbrush | | ASK |
| Ratibida columnifera-Prairie Coneflower | | \$40.00 | Purshia stansburiana-Cliffrose | | ASK |
| Ratibida columnifera-Mexican Hat | | \$44.00 | Purshia tridentata-Antelope Bitterbrush | | \$64.00 |
| Ratibida pinnata-Grey Headed Coneflower | | \$100.00 | Rhus trilobata-Skunkbush (Sumac) | | \$40.00 |
| Rudbeckia amplexicaulis-Clasping Coneflower | | \$18.00 | Rosa arkansana-Arkansas Rose | | ASK |
| Rudbeckia hirta-Black-eyed Susan | | \$32.00 | Rosa woodsii-Woods Rose, Native | | \$70.00 |
| Salvia azurea-Pitcher Sage | | \$550.00 | Salvia azurea Michx.-Pitcher Sage | | \$600.00 |
| Sanguisorba minor-Small Burnet, Delar | | \$3.00 | Sambucus racemosa-Red Elderberry | | ASK |
| Solidago canadensis- Canada Goldenrod | | \$400.00 | Sarcobatus vermiculatus-Greasewood | | \$40.00 |
| Solidago rigida-Stiff Goldenrod | | \$300.00 | Shepherdia argentea-Buffaloberry | | ASK |
| Sphaeralcea ambigua-Desert Globemallow | | \$120.00 | Symphoricarpos albus-Snowberry | | \$120.00 |
| Sphaeralcea coccinea-Scarlet Globemallow | | \$300.00 | Symphoricarpos oreophilus- Mountain Snowberry | | ASK |
| Sphaeralcea grossulariifolia-Gooseberry Leaf Globemallow | | \$200.00 | Yucca glauca-Soapweed Yucca | | ASK |
| Sphaeralcea munroana-Munroe Globemallow | | \$330.00 | WETLAND SPECIES | | PLS LB |
| Symphyotrichum chilense-Pacific Aster | | ASK | Agrostis scabra-Ticklegrass | | ASK |
| Symphyotrichum ericoides-Heath Aster | | \$400.00 | Beckmannia syzigachne-American Sloughgrass | | ASK |
| Symphyotrichum Laeve-Smooth Blue Aster | | \$260.00 | Bolboschoenus fluviatilil-River Bulrush | | ASK |
| Symphyotrichum novae-angliae-New England Aster | | \$500.00 | Calamagrostis canadensis-Canada Bluejoint | | ASK |
| Symphyotrichum oolentangiense-Sky Blue Aster | | \$290.00 | Carex aquatilis-Aquatic Sedge | | \$320.00 |
| Symphyotrichum tanacetifolius-Prairie Aster | | \$200.00 | Carex lupulina-Hop Sedge | | ASK |
| Thelesperma filifolium-Greenthread | | \$100.00 | Carex nebrascensis-Nebraska Sedge | | \$130.00 |
| Thermopsis montana-Golden Banner | | ASK | Carex praticola- Meadow Sedge | | \$160.00 |
| Thermopsis Rhombifolia - Arroyo Golden Banner | | ASK | Carex rostrata-Beaked Sedge | | \$250.00 |
| Thymus pulegioides-Broadleaf Thyme | | \$110.00 | Carex simulata-Short Beaked Sedge | | ASK |
| Tradescantia occidentalis-Prairie Spiderwort | | ASK | Carex stipata-Sawbeak Sedge | | \$180.00 |
| Vernonia baldwinii-Western Ironweed | | ASK | Carex sitpata-Awl-Fruit Sedge | | ASK |
| Vicia americana-American Vetch | | \$120.00 | Eleocharis palustris-Creeping Spike Rush | | \$150.00 |
| Wyethia helenioides-Wyethia | | ASK | Glyceria grandis-American Mannagrass | | \$100.00 |
| Zizia aurea-Golden Alexander | | ASK | Glyceria occidentalis-Tall Mannagrass | | ASK |
| FORB MIXES | | PER LB | Glyceria striata-Fowl Mannagrass | | \$150.00 |
| PBSI Native Prairie Wildflower Mix | | \$50.00 | Hierochloe odorata-Sweetgrass | | ASK |
| PBSI Rocky Mountain Wildflower Mix (VE) | | \$30.00 | Juncus balticus-Baltic Rush | | \$280.00 |
| PBSI Rocky Mountain Wildflower Mix (CB) | | \$30.00 | Juncus effusus-Soft Rush | | ASK |
| SHRUBS | | PLS LB | Juncus tenuis-Path Rush | | \$180.00 |
| Amelanchier alnifolia-Serviceberry, Saskatoon | | \$130.00 | Juncus torreyi-Torrey's Rush | | \$290.00 |
| Arctostaphylos uva-ursi-Kinnikinnick | | ASK | Muhlenbergia asperifolia-Alkali Muhly | | ASK |
| Artemisia filifolia-Sand Sagebrush | | ASK | Panicum capillare-Witchgrass | | ASK |
| Artemisia cana-Silver Sagebrush | | \$160.00 | Puccinellia nuttalliana-Nuttall's Alkaligrass | | ASK |
| Artemisia frigida-Fringed Sagebrush | | \$110.00 | Sagittaria latifolia-Arrowleaf Duck Potato | | ASK |
| Artemisia ludoviciana-Prairie Sagebrush | | \$260.00 | Schoenoplectus acutus-Hard-stem Bulrush | | \$100.00 |
| Artemisia nova-Black Sagebrush | | ASK | Schoenoplectus tabernaemontani-Softstem Bulrush | | \$100.00 |
| Artemisia tridentata tridentata-Basin Big Sagebrush | | \$100.00 | Scirpus americanus-American 3-square | | ASK |
| Artemisia tridentata vaseyana-Mountain Big Sagebrush | | \$100.00 | Scirpus americanus-Olney 3-square Bulrush | | \$180.00 |
| Artemisia tridentata wyomingensis-WY Big Sagebrush | | \$100.00 | Scirpus maritmus-Alkali Bulrush | | \$52.00 |
| Atriplex canescens- Fourwing Saltbush Wytana | | ASK | Scirpus microcarpus-Small Fruited Bulrush | | ASK |
| Atriplex canescens-Fourwing Saltbush N.O. | | \$30.00 | Spartina pectinata-Prairie Cordgrass | | \$160.00 |
| Atriplex canescens-Fourwing Saltbush S.O. | | \$30.00 | Triglochin L.-Arrowgrass | | ASK |
| Atriplex confertifolia-Shadscale Saltbush | | ASK | Verbena hastata-Blue Vervain | | \$60.00 |
| Atriplex gardneri-Gardner Saltbush | | \$20.00 | Verbena stricta-Hoary Vervain | | \$130.00 |
| Bassia prostrata-Forage Kochia | | ASK | WETLAND MIXES | | PER LB |
| Cercocarpus ledifolius-Curl Leaf Mountain Mahogany | | \$100.00 | PBSI Native Prairie Wetland Mix | | \$70.00 |
| Cercocarpus montanus-True Mountain Mahogany | | \$100.00 | PBSI Native Mountain Wetland Mix | | \$70.00 |
| Cercocarpus montanus Raf.-Birchleaf Mountain Mahogany | | \$100.00 | | | |
| Ericameria nauseosa-Rubber Rabbitbrush | | \$100.00 | | | |
| Grayia spinosa-Spiny Hopsage | | ASK | | | |



| LEGUMES | | PER LB | | |
|---|--|----------------|---|----------|
| Alsike Clover | | \$4.15 | Millet, Japanese | \$120.00 |
| Balansa Clover, Fixation Coated | | \$6.00 | Millet, Proso Red | ASK |
| Berseem Clover, Frosty Coated | | \$6.00 | Millet, Proso White | \$55.00 |
| Birdsfoot Trefoil, Bull | | \$9.00 | Millet, White Wonder | \$110.00 |
| Cicer Milkvetch, Lutana Cert. | | \$10.50 | Mustard* | ASK |
| Cicer Milkvetch Monarch Cert. | | \$10.50 | Oats, Everleaf 126 | \$70.00 |
| Common Vetch | | ASK | Oats, Monida, Cert. | \$50.00 |
| Crimson Clover | | \$2.25 | Phacelia* | ASK |
| Crown Vetch, Penngift | | ASK | Peas, Arvika* | \$75.00 |
| Ladino Clover | | \$3.90 | Peas, Austrian Winter* | \$75.00 |
| Hairy Vetch | | \$2.70 | Peas, Yellow Delta | \$75.00 |
| Mammoth Red Clover | | \$4.15 | Radish, Daikon* | \$240.00 |
| Medium Red Clover | | \$4.15 | Radish, Eco-Till* | \$240.00 |
| Micro Clover | | ASK | Sorghum, CRP Cover Crop Milo | \$115.00 |
| Sainfoin, Delaney, Cert. | | \$2.70 | Sorghum, Grain, Swift | \$3.10 |
| Sainfoin, Eski, Cert. | | \$2.70 | Sorghum, Hybrid Forage, Kiowa *BMR | \$130.00 |
| Sainfoin, Remont | | \$2.70 | Sorghum, Sudan, Arapahoe *BMR | \$130.00 |
| Sainfoin, Shoshone Cert. | | \$2.70 | Sorghum Sudan, Arikaree | \$75.00 |
| Strawberry Clover, coated | | \$7.50 | Soybeans | \$80.00 |
| Strawberry Clover, O'Connors coated | | \$7.50 | Sunflower, Peredovik* | \$160.00 |
| White Blossom Sweet Clover | | \$5.00 | Sunhemp* | \$225.00 |
| White Dutch Clover | | \$4.50 | Fall Triticale, Beardless | \$67.00 |
| Yellow Blossom Sweet Clover | | \$4.00 | Spring Triticale | \$75.00 |
| ALFALFA | | PER LB | | |
| Falcata | | \$10.00 | Triticale, Forerunner | ASK |
| Ladak | | \$3.75 | Triticale, Quickguard *Sterile | \$250.00 |
| Ladak, 65 Cert. | | \$3.75 | Turnip, Purple Top* | \$240.00 |
| Rangelander | | \$3.75 | Spring Wheat, Duclair Cert. | \$75.00 |
| Ranger | | \$4.50 | Winter Wheat, Above Cert. | ASK |
| Vernal | | \$3.75 | Winter Wheat, AP503 CL2 | ASK |
| WL-319 HQ | | \$5.00 | Winter Wheat, Brawl CL2, treated, Cert. | ASK |
| WL-354 HQ | | \$5.00 | Winter Wheat, Byrd Cert. | ASK |
| WL-336 HQ RR (Roundup Ready) | | \$8.20 | Winter Wheat, Denali Cert. | ASK |
| WL-341 HVX RR (Roundup Ready) | | \$9.90 | Winter Wheat, Hatcher Cert. | ASK |
| WL-356 HQ RR (Roundup Ready) | | \$8.30 | Winter Wheat, Monument | ASK |
| WL-365 HQ | | \$5.20 | Winter Wheat, TAM 111 | ASK |
| WL-365 HQ, Apex Green | | \$5.40 | Winter Wheat, Willow Creek *Grazing | \$65.00 |
| WL-372 HQ RR (Roundup Ready) | | \$7.90 | Winter Rye | \$65.00 |
| WL-375 HVX RR (Roundup Ready) | | \$10.70 | | |
| SMALL GRAINS & ANNUAL FORAGE | | PER CWT | | |
| Beardless Barley, Haymaker | | \$70.00 | | |
| Beardless Barley, Hays | | ASK | | |
| Brown Flax* | | ASK | | |
| Buckwheat* | | \$125.00 | | |
| Camilina* | | ASK | | |
| Canola, Alto Spring* | | ASK | | |
| Chickling Vetch* | | \$180.00 | | |
| Collards* | | ASK | | |
| Cowpeas, Iron and Clay* | | \$120.00 | | |
| Cowpeas, Red Ripper* | | \$120.00 | | |
| Cowpeas, Victors* | | ASK | | |
| Dwarf Essex Rape* | | \$135.00 | | |
| Faba Beans* | | \$160.00 | | |
| Fenugreek* | | ASK | | |
| Lablab Purpureus* | | \$350.00 | | |
| Lentils, Avondale* | | ASK | | |
| Lentils, Richlea* | | ASK | | |
| Lentils, Viceroy* | | ASK | | |
| Millet, Golden German | | \$105.00 | | |
| Millet, Hybrid Pearl | | \$200.00 | | |

*Cover Crop Seed

**COVER CROP MIXES**

| <u>PBSI SPRING COVER CROP MIX</u> | | PER LB |
|-----------------------------------|-----|--------|
| Triticale | 47% | \$1.20 |
| Field Peas | 33% | |
| Hairy Vetch | 20% | |

| <u>PBSI SPRING/SUMMER COVER CROP MIX</u> | | PER LB |
|--|-----|--------|
| Cowpeas | 25% | \$1.70 |
| Millet | 20% | |
| Sudangrass, Sorghum-Sudan | 20% | |
| Hairy Vetch | 15% | |
| Radish | 10% | |
| Soybeans | 5% | |
| Dwarf Essex Rape | 5% | |

| <u>PBSI SUMMER COVER CROP MIX</u> | | PER LB |
|-----------------------------------|-----|--------|
| Cowpeas | 30% | \$1.40 |
| Millet | 25% | |
| Sudangrass, Sorghum-Sudan | 25% | |
| Soybeans | 10% | |
| Dwarf Essex Rape | 10% | |

| <u>PBSI FALL/WINTER COVER CROP MIX</u> | | PER LB |
|--|-----|--------|
| Winter Peas | 25% | \$1.40 |
| Triticale | 25% | |
| Turnips | 20% | |
| Hairy Vetch | 15% | |
| Radish | 10% | |
| Dwarf Essex Rape | 5% | |

PASTURE MIXES

| <u>PBSI PREMIUM IRRIGATED MIX #1</u> | | PER LB |
|--------------------------------------|-----|------------|
| Meadow Bromegrass | 75% | \$5.30 |
| Orchardgrass | 25% | 20lbs/Acre |

| <u>PBSI PREMIUM IRRIGATED MIX #2</u> | | PER LB |
|--------------------------------------|--------|------------|
| Meadow Bromegrass | 37.5% | \$4.70 |
| Orchardgrass | 25.0% | 20lbs/Acre |
| Tetraploid Perennial Ryegrass | 18.75% | |
| Diploid Perennial Ryegrass | 18.75% | |

| <u>PBSI DRYLAND AGGRESSIVE MIX #1</u> | | PER LB |
|---------------------------------------|-----|------------|
| Western Wheatgrass | 10% | \$7.25 |
| Green Needlegrass | 20% | 10lbs/Acre |
| Intermediate Wheatgrass | 30% | |
| Slender Wheatgrass | 30% | |
| Canada Wildrye | 10% | |

| <u>PBSI DRYLAND AGGRESSIVE MIX #2</u> | | PER LB |
|---------------------------------------|-----|------------|
| Crested Wheatgrass | 45% | \$9.00 |
| Russian Wildrye | 10% | 10lbs/Acre |
| Western Wheatgrass | 45% | |

NATIVE AND RECLAMATION MIXES

| <u>PBSI NATIVE ALKALI MIX</u> | | PLS LB |
|-------------------------------|---------------|------------|
| Western Wheatgrass | 10 PLS/Acre | \$16.80 |
| Alkailgrass | .5 PLS/Acre | 18lbs/Acre |
| Alkali Sacaton | 1 PLS/Acre | |
| Blue Grama | .75 PLS/Acre | |
| Bottlebrush Squirreltail | 2.25 PLS/Acre | |
| Canada Wildrye | 3 PLS/Acre | |
| Inland Saltgrass | .375 PLS/Acre | |

| <u>PBSI LOW GROW MIX</u> | | PER LB |
|----------------------------------|-----|---------------|
| Canada Bluegrass | 25% | \$7.50 |
| Sandberg Bluegrass | 25% | 5lbs/1000 S.F |
| Rocky Mountain Or Arizona Fescue | 25% | |
| Sheep Fescue | 25% | |

| <u>PBSI LOW GROW NATIVE MIX</u> | | PER LB |
|---------------------------------|-----|---------------|
| Arizona Fescue | 25% | \$10.00 |
| Sandberg Bluegrass | 50% | 5lbs/1000 S.F |
| Rocky Mountain Fescue | 25% | |

| <u>PBSI FOOTHILLS NATIVE MIX</u> | | PER LB |
|--|-----|-------------|
| Switchgrass | 10% | \$10.00 |
| Arizona Fescue | 10% | 25 lbs/Acre |
| Big Bluestem | 10% | |
| Sandberg Bluegrass | 10% | |
| Slender Wheatgrass | 10% | |
| Thickspike/Streambank/Western Wheatgrass | 10% | |
| Yellow Indiangrass | 10% | |
| Blue Grama | 5% | |
| Bluebunch Wheatgrass | 5% | |
| Indian Ricegrass | 5% | |
| Little Bluestem | 5% | |
| Sand Dropseed | 5% | |
| Sideoats Grama | 5% | |

| <u>PBSI NATIVE PRAIRIE MIX</u> | | PLS LB |
|--------------------------------|--------------|-------------|
| Blue Grama | 1.5 PLS/Acre | \$15.50 |
| Buffalograss | 2.4 PLS/Acre | 15 PLS/Acre |
| Sideoats Grama | 2.7 PLS/Acre | |
| Western Wheatgrass | 5.2 PLS/Acre | |
| Green Needlegrass | 3 PLS/Acre | |
| Sand Dropseed | .18 PLS/Acre | |

| <u>PBSI NATIVE SANDYLAND MIX</u> | | PLS LB |
|----------------------------------|---------------|-------------|
| Switchgrass | 1.6 PLS/Acre | \$14.50 |
| Indian Ricegrass | .8 PLS/Acre | 15 PLS/Acre |
| Sideoats Grama | 1.8 PLS/Acre | |
| Little Bluestem | 1.4 PLS/Acre | |
| Western Wheatgrass | 3.2 PLS/Acre | |
| Yellow Indiangrass | 1.34 PLS/Acre | |
| Big Bluestem | 2.2 PLS/Acre | |
| Sand Bluestem | 1.07 PLS/Acre | |
| Prairie Sandreed | .95 PLS/Acre | |
| Sand Dropseed | .24 PLS/Acre | |
| Sandlove | .4 PLS/Acre | |

| <u>PBSI DRY NATIVE MOUNTAIN MIX</u> | | PER LB |
|-------------------------------------|-----|------------|
| Mountain Bromegrass | 20% | \$10.50 |
| Streambank Wheatgrass | 15% | 50lbs/Acre |
| Thickspike Wheatgrass | 15% | |
| Slender Wheatgrass | 10% | |
| Arizona Fescue | 10% | |
| Bluebunch Wheatgrass | 10% | |
| Sandberg Bluegrass | 10% | |
| Prairie Junegrass | 5% | |
| Bottlebrush Squirreltail | 5% | |

| <u>PBSI NATIVE MOUNTAIN MIX</u> | | PER LB |
|---------------------------------|-----|------------|
| Mountain Bromegrass | 20% | \$9.00 |
| Streambank Wheatgrass | 20% | 50lbs/Acre |
| Slender Wheatgrass | 20% | |
| Blue Wildrye | 15% | |
| Arizona Fescue | 5% | |
| Sandberg Bluegrass | 10% | |
| Prairie Junegrass | 5% | |
| Tufted Hairgrass | 5% | |

| <u>PBSI NATIVE LAWN MIX</u> | | PER LB |
|-----------------------------|-----|-----------------|
| Buffalograss | 90% | \$36.00 |
| Blue Grama | 10% | 2-3lbs/1000 S.F |



| WETLAND MIXES | | | ORGANIC | | PER LB |
|---|-------|------------|--|--|---------------|
| PBSI PRAIRIE WETLAND MIX | | | | | |
| | | PER LB | | | |
| Alkali Bulrush | 15% | \$70.00 | Alfalfa | | \$6.00 |
| Canada Wildrye | 15% | 10lbs/Acre | Alfalfa, FD2 | | \$7.00 |
| Switchgrass | 15% | | Alfalfa, FD4 | | \$7.00 |
| Indiangrass | 12% | | Alsike Clover | | \$6.30 |
| Prairie Cordgrass | 7% | | Annual Ryegrass, VNS | | \$2.80 |
| Soft Stem Bulrush | 6% | | Barley, Haxby | | \$0.80 |
| Three Square Bulrush | 6% | | Barley, Spring, Robust | | ASK |
| Hardstem Bulrush | 6% | | Buckwheat | | \$2.40 |
| Nebraska Sedge | 6% | | Common Vetch | | ASK |
| Creeping Spikerush | 6% | | Crimson Clover | | ASK |
| Baltic Rush | 4% | | Faba Beans | | ASK |
| Woolly Sedge | 2% | | Festulolium, Perseus | | \$6.00 |
| | | | Fescue, Meadow | | \$9.80 |
| PBSI MOUNTAIN WETLAND MIX | | | | | |
| | | PER LB | | | |
| Fowl Bluegrass | 14% | \$70.00 | Fescue, Tall, Tower | | \$7.50 |
| Canada Wildrye | 14% | 10lbs/Acre | Fescue, Tall, Kora | | \$8.00 |
| Ticklegrass | 14% | | Fescue, Creeping Red | | \$6.20 |
| Tufted Hairgrass | 12% | | Hairy Vetch | | \$4.00 |
| Nebraska Sedge | 8% | | Mammoth Red Clover | | \$5.20 |
| Fowl Mannagrass | 5% | | Medium Red Clover | | ASK |
| Small Winged Sedge | 5% | | Oats | | \$1.20 |
| Creeping Spikerush | 5% | | Orchardgrass, Eschelon | | \$7.50 |
| Beaked Sedge | 5% | | Peas, Austrian Winter | | \$1.45 |
| Small Fruited Bulrush | 5% | | Peas, CDC Meadow | | \$1.35 |
| Baltic Rush | 4% | | Peas, Spring Delta | | ASK |
| Three Square Bulrush | 4% | | Perennial Ryegrass, Romark | | ASK |
| Woolly Sedge | 3% | | Radish, Daikon | | \$6.20 |
| Meadow Rush | 1% | | Radish, Daikon, Tapmaster | | \$6.50 |
| Aquatic Sedge | 0.50% | | Sainfoin | | ASK |
| Dagger Leaf Rush | 0.50% | | Tetraploid Perennial Ryegrass, Calibra | | \$6.00 |
| | | | Tetraploid Perennial Ryegrass, Diwan | | \$6.00 |
| ORGANIC MIXES | | | | | |
| PBSI ORGANIC SPRING COVER CROP MIX | | | | | |
| | | PER LB | | | |
| Triticale | 47% | \$2.00 | Timothy, Climax | | \$5.10 |
| Field Peas | 33% | | Timothy, Dolina | | \$7.40 |
| Hairy Vetch | 20% | | Triticale, Forerunner | | \$1.60 |
| <i>*Organic seeds are subject to availability</i> | | | Triticale, Spring | | ASK |
| | | | White Clover, Ivory 2 | | ASK |
| | | | White Clover, Klondike | | \$11.00 |
| | | | White Clover, Rivendel Coated | | \$11.00 |
| | | | Winter Rye | | ASK |
| | | | Winter Wheat | | ASK |
| | | | Yellow Blossom Sweet Clover | | \$5.60 |
| | | | MISCELLANEOUS | | PER LB |
| | | | Biosol Mix, Forte 721 | | \$1.60 |
| | | | Mat Rainer Fiber+ | | \$0.75 |
| | | | Mycorrhizal Inoculum-AM 120 | | \$8.00 |
| | | | Rice Hulls, Parboiled | | \$0.90 |
| | | | Staples- 6"x1"x6" 11 gauge 1000/box | | ASK |
| | | | Straw Blanket | | \$75.00 |
| | | | Straw Wattle | | \$30.00 |
| | | | Super Tack | | ASK |
| | | | Truax Native Grass Drill | | ASK |
| | | | Truax Seedslinger, ATV | | \$800.00/ea |
| | | | Truax Seedslinger, Hand-Held | | \$600.00/ea |



Pawnee Buttes Seed is proud
to be a Certified Organic
Seed Handler

Check our website for updates on our 2022 Grass Tour! If
you would like to be added to our email list, call us today
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First the Seed

“We might not think about how often each one of us comes in contact with seed, for example, in the morning when you eat an orange, you’ll find a seed in there. Seed is very important, it’s the beginning of life for all of us.”

-Don Hjar, Owner of Pawnee Buttes Seed

Here at Pawnee Buttes Seed, we truly do sell more than just a bag of seed. We provide guidance and expertise to ensure our customers are successful in their planting, and help you get the right seed for your need. We aim to educate our customers and help people take care of the land that we all live on, that we all must live off, that’s why we’re in business.

Further Your Knowledge of Grasses:

At Pawnee Buttes Seed we specialize in seed for pasture, reclamation, turf, and CRP, but we offer much more. The Pawnee Buttes Guide to Grasses is a great resource for anyone to carry in the field. The book is designed to give you an appreciation and a brief technical reference to the most valuable plants in the Central Great Plains and Rocky Mountain Region. Whether you are looking to make the best selections for planting or just want to learn more about the plants you see along your property, this book is a valuable tool to have at your fingertips.

Further Knowledge of Cover Crops:

Cover crops are a growing topic throughout the agricultural industry, there are many potential benefits of utilizing cover crops. Cover crops are a great resource for improving soil health, some of the ways cover crops can improve your soil include:

- ✔ Reducing surface soil erosion
- ✔ Increase the water holding capacity of the soil
- ✔ Protect the soil from extreme weather
- ✔ Creating soil structure while reducing compaction
- ✔ Improve the soil’s physical properties
- ✔ Increasing nutrients within the soil naturally
- ✔ Enhancing the soil’s overall health and biological activity

With the USDA offering new conservation program opportunities and incentives to support climate smart agriculture in 2022 there is no better time to start understanding and utilizing cover crops. New partnership between the NRCS and Farmers for Soil Health are working to advance the use of soil health practices. Aiming to promote cover crops on soybean and corn farms helping them reach their sustainability goals. The NRCS is investing \$38 million through the new targeted Cover Crop Initiative in 11 states to help agricultural producers mitigate climate change through the widespread adoption of cover crops. (USDA, 2022)

More information on these new cover crop opportunities and incentives can be found through the USDA and NRCS websites.

Here at Pawnee Buttes Seed, we have PBSI Cover Crop Mixes designed for every season, each seasonal mix contains the optimal species combination, specially tailored to the season of planting.

PBSI Cover Crop Mixes

Spring

- ✔ Triticale
- ✔ Field Peas
- ✔ Hairy Vetch

Spring/Summer

- ✔ Cowpeas
- ✔ Millet
- ✔ Sudan grass, Sorghum-Sudan
- ✔ Hairy Vetch
- ✔ Radish
- ✔ Soybeans
- ✔ Dwarf Essex Rape

Summer

- ✔ Cowpeas
- ✔ Millet
- ✔ Sudan grass, Sorghum-Sudan
- ✔ Soybeans
- ✔ Dwarf Essex Rape

Fall/Winter

- ✔ Cowpeas
- ✔ Millet
- ✔ Sudan grass, Sorghum-Sudan
- ✔ Soybeans
- ✔ Dwarf Essex Rape

Benefits of Each Plant



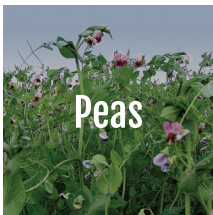
Triticale

- ✔ A mix between wheat and cereal rye
- ✔ Fibrous root system that builds a strong soil structure and prevents soil erosion
- ✔ Excellent scavengers for nutrients within the soil that can be used by crops in the future
- ✔ Great grazing and forage values



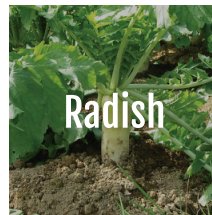
Sudan Grass

- ✔ Performs well in warmer, drier conditions
- ✔ Extensive, fibrous root system building strong soil structure and prevent erosion
- ✔ Great grazing and forage values
- ✔ Weed suppression
- ✔ Excellent scavengers for nutrients



Peas

- ✔ Excellent nitrogen producers
- ✔ A great choice to add in a mix that will be used for forage



Radish

- ✔ Excellent scavengers for nutrients
- ✔ Excellent nitrogen producers
- ✔ Ability to pull several nutrients together
- ✔ Weed suppression
- ✔ Some grazing value and erosion prevention when in a mix



Hairy Vetch

- ✔ Very dependable and easy to establish
- ✔ One of the best nitrogen producers, creating upwards of 200 lbs of nitrogen
- ✔ Weed suppression



Turnips

- ✔ Excellent grazing and forage values
- ✔ Good at capturing nitrogen
- ✔ Weed suppression
- ✔ Cold tolerant



Millet

- ✔ Best suited for mid-summer plantings
- ✔ Good nitrogen scavenger
- ✔ Builds strong soil structure and prevents soil erosion
- ✔ Highly palatable, with great grazing and forage value



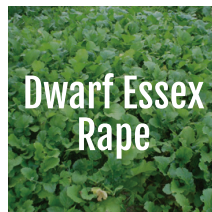
Soybeans

- ✔ Weed suppression
- ✔ Builds strong soil structure and prevent erosion
- ✔ Excellent nitrogen producers



Sudangrass - Sorghum

- ✔ Great grazing and forage values
- ✔ Excellent drought and heat tolerance
- ✔ Builds strong soil structure and prevents soil erosion
- ✔ Excellent scavengers for nutrients
- ✔ Weed Suppression



Dwarf Essex Rape

- ✔ Fibrous root system, that is great at capturing nitrogen
- ✔ Weed suppression
- ✔ Versatile crop, can be planted any season

Soil Health

Regenerative agriculture is an approach to land management that focuses on connecting agriculture with nature, and how we can use agriculture to not only feed our growing population, but also improve our climate and environment. These regenerative practices continue to grow throughout the industry as farmers are becoming aware of their environmental benefits.

To better understand regenerative agriculture, we can look at the 5 key principles:

Minimize soil disturbance: Heavy tillage followed by fallow periods can severely damage the health of your soil, accelerate soil erosion and lead to detrimental long-term impacts on the land. No-Till farming practices will help soil regeneration, by leaving the rich organic matter that feeds soil microbes and provides the essential nutrients for plants to grow. Minimizing soil disturbance will also increase your soils water holding capacity and decrease soil erosion.

Keep the soil covered: When the soil is left bare, a host of issues will arise including reduced water retention, increased evaporation, rising soil temperatures, release of CO₂, soil erosion, and opportunity for weeds to grow. Utilizing cover crops is a great way to keep your soil covered, by having a layer of green crops protecting the soils surface you will maintain the soils health while improving all functions of the soil.

Maintaining living roots in the soil year-round: Maintaining a living root system year-round is essential for soil health, roots are the basis for nutrient cycling in the soil. Cover crops can be utilized to meet this principle, a mix of grasses, legumes and brassica provide a diverse root system that can scavenge for nutrients deep in the soil, produce nitrogen and reduce soil compaction. This constant nutrient cycle will provide great benefits to current and future crops while minimizing the use of chemical fertilizers.

Maximizing plant diversity: Agriculture has been utilizing monoculture practices for years, only planting one crop in a growing year leaving the ground fallow for months at a time. Monoculture is the main contributor to depleting our soils health, promoting erosion, stripping the soil of its nutrients, and forcing us to rely on chemical fertilizer additives. Utilizing crop rotations and cover crops will build a strong root system and plant community that ensures a balance of essential nutrients for each plant.

Integrating Livestock: Integrating livestock into your farming practices can be very beneficial to your plant community and soil health, when properly managed. Rotational grazing is a great way to integrate livestock into your operation, the livestock will graze an area for an allotted amount of time, then that area will be rested promoting more vegetative growth and the development of roots during the resting period.

A large aspect of regenerative agriculture is carbon sequestration, Carbon sequestration is the process of capturing and storing atmospheric carbon dioxide. Carbon Dioxide is the most produced greenhouse gas and has a large impact on global warming and climate change. By following the 5 principles listed above we can utilize agriculture to enhance our farms ecosystems and the biological processes that capture and store carbon within plant materials and the soil. Carbon sequestration has the potential to mitigate and even reverse global warming and climate change in the future.

Through the increased support, education, and implementation of sustainable agriculture, we are on the right path to restoring our nations soil and ecosystem health, and leave our land, water, and climate in better shape for future generations.


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