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BEAUTIFUL NATIVE PLANTS

FROM THE
HIGH PLAINS, BADLANDS
AND BLACK HILLS
1951



Phlox alyssifolia In a creeping Phlox character in blossom form and pleasing color are desired. *P. alyssifolia* has both, in good selections. The color ranges from pale to deep lilac-pink. Probably the most delightful carry stronger suffusions of rose or carmine but an occasional plant will show a warming tinge of salmon or even a cool bluish mauve.

Garden care, freedom from competition, the right soil, bring forth glorious bloom for four to six weeks. Its gentle fragrance carries across the garden.

This Phlox likes a substantial firmness, always with drainage, at least for the deeper reaches of its deep searching roots, doubtless a taste of clay and lime. Young active roots establish readily.

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FOREWORD: To grow the Great Plains plants it is important to recognize native factors of adaptation and environment. Character and faculty have been molded in these plants by untold ages of existence where periods of moisture shortage are long and of moisture excess mostly brief.

Moisture retention devices in the plant structure have been developed to an outstanding degree to withstand shortage; to escape excesses the wise plants select high places and slopes, rocky, gravelly and porous soils from which excess water readily drains away or down, thus quickly restoring aeration. In general moistness is sought, wetness avoided.

A recommended scree for replacing soils that are close textured and impervious, or too rich and moisture retentive, or to counteract inescapable shade from remote trees or other objects, is mixed from equal parts of ordinary soil, coarse sand and fine gravel or rock chips, including some lime. This provides an excellent base for all Great Plains plants. The needs of certain subjects for portions of richer soil may be met by adding leafmold or other humus, locally, in planting or in top-dressing.

SERVICE: High quality plants only are sent on your order. We do not substitute without permission. Our packing will please. In addition to culture suggested in this catalog special advice is offered when it may prove useful, or on request. Every effort will be made to get shipments out when desired, and mention of your preferred date will be appreciated.

PRICES include prepaid delivery.

Usually 3 or 12 plants can be furnished when one or "each" is priced.

A SEED LIST is issued in autumn.

HERBACEOUS PERENNIALS

Achillaea lanulosa A pleasant little non-ramping Yarrow with heads of unusual whiteness, at 6 to 9". Travels an inch or two a year. Clump 35c.

Actinea simplex Wide daisies of brilliant gold 4 to 8" above narrow leaved silvery rosettes. June. 35c.

Agastache anethiodora Anise Hyssop. Delightfully fragrant tall herb, spikes of blue-purple continuously, June on. Rich soil, shade, 50c.

Anemone caroliniana Brave and dainty and jewel-like, inch and a half wide, blue or white, of 8 to 20 cupped segments, May. 3, 50c; doz. \$1.50.

Anemone patens nutt. American Pasque. Large six-pointed stars of satiny lavender, March, April. South Dakota's state flower. 40c; 3, \$1.00.

Antennaria Pussy-toes, Ladies' Tobacco, Valuable evergreen rock garden ground covers, slow spreading, very low, each with its own texture.

A. aprica Broad little leaves of silvery olive in inch high mats, pussy-toe blossoms at 4". Gray white flowered, clump, 30c; charming soft pink, 40c.

A. campestris Broader leaves, rich, soft deep green with underside white. Toes white or silvery. 35c.

A. microphylla Tiny bluish silvery leaves in lovely pattern and texture. Toes white furry. 50c.

A. obovata Like a larger aprica; gray toes. 35c.

A. oxyphylla Still broader obovate leaf of silver in handsome pattern, for shade. New. 50c.

A. rosea Narrower leaved than aprica, with toes of rich deep rose. Strikingly lovely. 50c.

Arenaria hookeri Bevvies of white flowers in June, needle leaved cushion of rich deep green. Tap-rooted, for scree with limestone. 50c; 3, \$1.20.

Artemisia frigida Low feathery, silvery and fragrant cushion sage. Arching silvery spikes with tiny yellowish bells in August. 35c; 3, 75c.

Asclepias pumila A diminutive milkweed. 8" stems closely set with little linear leaves; creamy white umbels, midsummer on. 35c; 3, 75c.

Aster batesi Slender arching stems with tiny stiff leaves, to 24" or more. Wreathes of tiny,

- closely set florets of blue-lavender and gold. September. Head back for low, charming effect, July. New. 50c.
- Aster fendleri** Delightful, rare, 10 to 12" rock plant. Airy inch-wide cupped blossoms of pearly blue, September. 50c; 3, \$1.20.
- Aster kumleini** Prairie Gem, an unequalled selection of one of the finest native asters. Broad 12" high sheet of blue and gold, September. 40c; 3, \$1.00.
- A. kumleini** Dream of Beauty, lovely pink. 15" 40c.
- Aster meritus** Rare, much admired pinkish violet in closely massed corymbs, 8 to 12" and the special merit of flowering in July. 50c; 3, \$1.10.
- Aster nebraskensis** Tall kind of distinct character. Long arching sprays of light blue, Sept. 40c.
- Aster ptarmicoides** (*Unamia alba*) Begins in July, long season of beauty. White rays, cream centered. 10 to 15". Best in poor soil. 40c; 3, \$1.00.
- Aster Black Hills** Magnificent, late fall blooming, to 40". (Species undetermined.) Florets to nearly 2" wide, an unsurpassed soft blue. 60c; 3, \$1.50.
- Astragalus gilviflorus** (*Orophaca caespitosa*) Wide "bun" of silver with a snow of high bannered stemless pea blossoms, April, May. 35c; 3, 85c.
- Astragalus goniatus** Fresh lavender bonnets accented with purple, amid green lace leafage, June to Aug. 4 to 8". May need confining. 40c; 3, \$1.00.
- Astragalus missouriensis** Brilliant display of magenta-purple peas, June, on a 12 to 20" circle of grayish prostrate branches. 35c; 3, 75c.
- Astragalus spatulatus** (*Homalobus caespitosus*) A precious gem of the rock gardeners' world, a blue-purple bun of early June. 50c; 3, \$1.25.
- Astragalus tridactylicus** Red *Orophaca*. Silvered bun, blossoming into lovely lavender-rose. These taprooted kinds take lean limy scree. 50c 3, \$1.25.
- Campanula petiolata** Western Harebell. 8 to 18" Blue-purple or lavender flaring bells in great profusion, June and later. 35c; 3, 85c.
- Cerastium strictum** Earth hugging mat of vivid deep green, multitudinous white flowers to 8", May to July. Like a larger *C. arvense*. Clump 35c.
- Chrysopsis villosa** Golden Aster. Massed beauty, in richest tone, Aug.- Sept. 12". For best effect shear back to 4" in June. Finest type, 35c, 3, 85c.
- Clematis scotti** Leather Flower. Intriguing nodding urns of blue or purple, 8 to 10", May, June. Glaucous foliage, glossy seed plumes. 50c; 3, \$1.25.
- Clematis tenuiloba** Surprisingly large flaring tipped purple blossoms of distinguished form and beauty, June. 10". Spreads slowly. 60c; 3, \$1.50.
- Dalea** (*Parosela*) **aurea** Novel and exotic appearing plant, silvery green and airy light yellow in Prairie Clover effect. 10 to 16", June. Scree. 50c.
- Dalea enneandra** White and silver in slender swaying racemes atop slender nearly leafless stems, June, August, 25 to 35". Can be planted among choice low scree things. 35c; 3, 85c.
- Dodecatheon pulchellum** (*pauciflorum*) Up to 15 darting rose and gold stars to the umbel. Adaptable and easy gem. 4 to 10" 40c; 3, \$1.10.
- Drymocallis fissa** Cinquefoil cousin with plentiful saucers in butter yellow, June. 10 or 12". Rather good neat dark pinnate foliage. New. 45c.

Echinacea angustifolia Wide rosy rays about a glossy mahogany cone. Strikingly different, beautiful. 10 to 15", mainly July. 35c; 3, 85c.

Erigeron asper Rich lavender in a dense shaggy fringe, inch and a fourth wide, with golden center. 9 or 10". Fine, valuable and rare. 50c.

E. flagellaris Whiplash Daisy. Long season white and gold bounty. Rooting runners. 8". Clump 35c.

E. scribneri ("nematophyllus") Upstanding white and gold jewels of May and June, inch wide, crowded, 4 to 5" above a green cushion. Sunny scree. 50c.

E. Prairie Gem Habit of flagellaris but daintier, less invasive, with greener and lobed leaves. 50c.

Eriogonum depauperatum Globular heads of white tinted rusty pink, low dark grayish leafage. 4". Modest, subshrubby, permanent. New. 40c; 3, \$1.10.

Eriogonum flavum Beautiful all-season mats of rich green felted leaves, large fluffy umbels of soft yellow, in June 4 to 12". Scree. 40c; 3, \$1.00.

Evolvulus nuttallianus Quaint half-inch lavender morning-glories on a furry gray bushlet 8" usually. Best in sand, not a pest. 40c; 3, 85c.

Gutierrezia sarothrae Golden Dome. Countless fine stems and minute leaves, vivid green. Sheeted with sparkling gold, September. 12". 40c; 3, \$1.00.

Hedeoma camporum A perennial Pennyroyal. Trim 8" rounded bushlet, flushed with pink lavender mint blossoms, June on. Fine fragrance.

Iris missouriensis Slender upright foliage, graceful blossoms of silvery blue, to 18", June. 40c, 3, \$1.00.

Lathyrus incanus Sand Pea. Purple-rose banners, pink to white wings, large blossoms, clusters 2 to 7, May. Downy plant, 4 to 10". **L. ornatus**, same except glabrous, often brighter in banner, These are spreaders worth controlling. Either, 50c.

Lesquerella spatulata Bladder-Pod. Festive in sun-reflecting golden crucifer blossoms, May, June. 4", to 10 in spread. Gray-green rosettes. Jewel for clayey, limestone scree. 40c, 3, \$1.00.

Leucocrinum montanum Sand Lily. Sparkling waxy white little lilies, stemless among grassy leaves, fragrant, bountiful, April, May. 35c; 3, 90c.

Liatris punctata Dwarf Gayfeather. Dense fluffy clear purple, inch-wide heads, 10 to 30; to 18" or higher, July. Maroon bud bracts. 40c; 3, \$1.00

Liatris punctata Dwarf Gayfeather. Dense fluffy spikes of fine luminous purple, 8 to 14", Aug. 40c

Lithophragma parviflora Woodland Star. Radiant stars of purest white in capitate raceme, 4", May to 12" in June. Tiny tubers, 3, 50c; doz \$1.60.

Lithospermum linearifolium Fringed Puccoon. Soft glowing yellow ruffled trumpets, May. To 12". 40c.

Malvastrum coccineum Flame Mallow. Arresting salmon-scarlet in short dense spires, to 10". Long season. Handsome deeply cut foliage. 40c; 3, 90c.

Mertensia lanceolata Prairie Bluebell. Thrilling as the first bluebird come April clusters at 3". Lavish blossoming to late June, to 10". 40c; 3, \$1.00.

Nothocalais cuspidata Rich textured 2" wide gol-

den blossoms, April, May, 4 to 6", from a cluster of wavy white margined leaves. 40c; 3, 90c.

Oenothera brachycarpa Magnificent soft yellow evening primroses, 4" wide, from a cluster of silky green leaves at the ground. Open evening to morning. Spreads slowly from root. 50c each.

Oe. caespitosa Gumbo Lily. Great snowy, fragrant evening primroses upon the ground in a patch of glossy lanceolate leaves. Open all day; May, Aug. Recommended scree. 35c; 3, 75c.

Oe. lavandulaefolia Rich crinkled yellow blossoms, freely, June to frost. 2" wide, open most of day. 4 to 5". Highly rated treasure. 50c. 3. \$1.20.

Oe. serrulata Unrivalled display of inch-wide saucers of brightest yellow, May, August, open most of day. Compact subshrub, to 10". 35c; 3, 75c.

Oxytropis lamberti Purple Loco. Rich spectacular plumes of pea florets, red-purple to blue, light to dark, to 12", June. Low silvery foliage. 35c; 3, 75c.

Penstemon Society recommendation for moist climates, 2 parts gravel or stone chips, 1 of sand, 1 of soil. The following are all lime tolerant:

P. albidus Erect large white, 10 to 15", June. Broad lanceolate, green foliage. 35c; 3, 75c.

P. alpinus Fine blue, much like glaber but only 12" tall. Dark glossy foliage. 40c; 3, \$1.00.

P. angustifolius Exquisite large blossoms, melting deep asure with a harmonizing thread of soft pink at the throat. June. Plant glaucous. 35c; 3. 85c.

P. caespitosus Tiny broad leaves in a 2" spreading mat, liberally sprinkled with lavender-blue June. Quite at home at Prairie Gem, dry half shade. 50c.

P. crandalli Evergreen creeper in broad mats, upturned bells of blue in June. Light shade. 60c.

P. procumbens Referred to crandalli, it has lower mats of broader, glossier, greener leaves and bluer flowers. Endures heat better. Half shade, 60c.

P. eriantherus Large lovely warm lavender with prominent tongue of gold. June, 8 to 12". Needs some clay and lime, no richness. 35c; 3, 85c.

P. glaber Fine dark blue, to 18" or more, June, July, repeating if cut back. Adaptable. 35c; 3, 90c.

P. gracilis A light and graceful smaller flowered kind in amethyst. 12", June, July. 35c; 3, 75c.

P. grandiflorus The stately Shell-leaf. Cool deep lavender with gray-green. 30", June. 40c; 3, \$1.00.

P. virens ("humilis") Very free flowering and easy. Small dark glossy leaves, massed blue-purple spires to 12", late June. 40c; 3, \$1.00.

Petalostemon oligophyllus Short-cone White Prairie Clover. Broad circlets of white in gay mood, June. 12". Airy foliage and habit. 40c.

Petalostemon purpureus Circlets of orange dotted purple-red on deep green slender thimbles, June, July. 15". Easy in scree or sand. 35c; 3, 85c.

Petalostemon villosus Plump cones of soft silvery rose and silvery green velvet, lovely and decorative. July, Sept. 12". Same culture. 40c; 3, \$1.00.

Phloxes of the Great Plains delight in scree with a bit of richness. Give half shade and keep cool until established. Andicola and Little Cheyenne will succeed in any well drained lean soil.

P. alyssifolia Soft lavender-pink inch wide fragrant blossoms, May, June. Leaves lanceolate, white edged. 3 to 5". Slow mat former. 50c, 3, \$1.20. A charming creamy albino **alyssifolia**, same price.

P. andicola Large full lobed, needle leaved phlox of the high prairies, forming colonies or mats. 4" White, 35c; 3, 70c. Select blue-lavender, 45c; 3, \$1.00. Select extra large white, 45c; 3, \$1.00.

P. hoodi Mossy green, snowed over with lovely little blossoms, April, May. Very slow spreading, finally making wide mats. 35c; 3, 90c.

P. longifolia Handsome upright species, to 6", cluster flowered, May. Leaves dark green, linear. Glowing white, fine form, 50c; 3, \$1.20.

P. Little Cheyenne (*hoodi* x *andicola*) Most perfect little florets imaginable, shining white with the usual speck of gold. To 3", May. 50c 3, \$1.00.

Potentilla divisa Astonishing beauty in sunlit yellow from a tuft of silvered deep-cut leaves, early May. 3", with a spread to 10" 50c; 3, \$1.25.

Senecio purshianus Rock plant of all-season gray 2" foliage, displaying in June airy gold blossoms at 8 or 9". 35c; 3, 85c.

Sideranthus spinulosus Massed inch wide asters in brilliant gold, Sept., Oct. Dense low, type 6". Fine textured frosty foliage. Hot dry spot. 35c; 3, 85c.

Solidago glaberrima Dwarf selection of the Smooth Goldenrod, charming broad based nodding tipped panicles, to 12", August. Moderate traveler. 35c.

S. mollis Especially rich billowy heads at 4 to 12", September. Gray-green. Slow traveler. 35c.

S. pallida Lovely fragrant, illuminated light golden plumes, September, 16 to 18". Broad glossy basal leaves, non-spreading clump habit. 50c.

S. pulcherrima September beauty in groups of plump tapering rods. 16". Non-spreading. 50c.

Talinum parviflorum Little Sunbright. Airy rosy blossoms every summer afternoon, to 7" from a 2" tuft of succulent leaves. Tiny thick roots, 3, 50c.

Thalictrum venulosum Dwarf with very neat all-summer, faintly bluish foliage masses, to 8". Bronzy bloom to 15 to 18". 35c; 3, 85c.

Thermopsis rhombifolia Dwarf Golden Pea. 8 to 12". Broad packed racemes of glowing medium yellow, May. Unusual, beautiful colonizer. 40c.

Townsendia exscapa Easter Daisy. Tuffet of narrow evergreen leaves, incredibly wide glowing pink daisies, all under 2". Dryest leanest scree. 40c.

Townsendia sericea Even more dwarf, one of the very first of the Plains' responses to spring. Gem in white and ashy green, early April. 40c; 3, \$1.00.

Tradescantia bracteata Rainbow Spiderwort. Bloom begins at 4" in June, continues to 10". Purple, bright rose, each 35c. White, appleblossom pink, each 50c; dozen, mixed, \$2.00.

Verbena bipinnatifida Bright blue-lilac, May to October. Low, trailing, hardy, avoid winter wet at crown. 35c; 3, 75c. By late June from seed, 25c.

Viola adunca A smiling little old man in deep blue. Often blooms in autumn. Part shade. 35c; 3, 75c.

Viola montanensis Bevises of light violet-blue butterflies over a distinctly downy bun of foliage, May, June. Good soil, drainage, part shade. 60c;

3, \$1.50.

Viola nuttalli Violet of brilliant gold of the dry sunny plains. Heavy producer, April through May, 2 to 6". Sun or light shade. 35c; 3, 85c.

Viola pedatifida Large blossoms of light violet borne above deeply incised leaves. Stemless. Any soil, light shade or sun. 35c; 3, 85c.

Viola rugulosa White tinted pink, with violet pencilings, 6 to 12". Short stolons. Clump 35c.

Viola vallicola Much like nuttalli, trifle larger, for moister richer position. 50c; 3, \$1.35.

Woodsia scopulina Delightful little clump fern to 5". Revives from any drought. Midday shade. 50c.

Yucca glauca The hardiest Yucca. Bayonet-like leaves to 18", tall spires of nodding lilies, usually green-tinted cream, July. 50c.

Zinnia grandiflora Inch or more wide single in brilliant gold, 5" high, colonizer for a hot spot and heavy hot weather production. 50c; 3, \$1.35.

BULBS FOR FALL PLANTING

(Alliums may be moved in spring.)

Allium cernuum Nodding Onion. Light shell pink, July, 8 to 16". 3, 35c; doz. 75c.

A. flavum minor Clump forming, soft yellow Onion, to 8". A gentle foreign beauty. 4, 50c.

A. recurvatum superbum Richer pink, 18 or 20". Foliage glaucous, flattish, broad. 35c; 3, 50c.

A. textile Broad upright umbels of green ribbed white stars at 8", May. Summer dormant. 3, 35c

Androstephium caeruleum Blue Bethlehem. Broad umbels of soft blue, 4 to 8", May, tuft of slender green leaves. Large corms 50c; blooming size 35c.

Calochortus gunnisoni Gunnison Mariposa. Lovely white chalice with clusters of greenish hairs at base. July, 16". Grassy leaves. 3, 35c; doz. \$1.00

Calochortus nuttalli Segoe Lily, Mariposa Tulip, Sun reflecting white with gold and maroon marks, June, 12". Glaucous plant. 3, 35c; doz. \$1.00.

Lilium umbellatum 4" upright cups of orange-red, June, July, 10 to 18". Rich soil, well drained, 4" deep. Blooming size 35c; 3, 85c; one inch 50c.

Triteleia grandiflora (Brodiaea doug.) Ample umbels of waxy blue-lavender, to 18", June, from basal leaves of green. 3, 40c; doz. \$1.35.

Zygadenus gramineus False Camas. Erect plumes of creamy stars in a haze of golden stamens. 8 to 16", June, from basal grassy leaves. 3, 35c; doz. 85c.

FOR GARDENS IN HALF SHADE and moderately rich soil, well drained: Achillaea lanulosa, Agastache anethiodora, Alliums cernuum, flavum and recurvatum, Anemone patens, Antennarias campestris, microphylla, oxyphylla and rosea Asters meritus and ptarmicoides, Campanula petiolata, Dodecatheon pulchellum, Cerastium strictum, Clematis tenuiloba, Erigeron asper, Iris missouriensis, Liatris ligulistylis, Lilium umbellatum, Lithophragma parviflora, Penstemons caespitosus, crandalli, procumbens and gracilis, Phloxes alyssifolia and hoodi, Solidago pallida, Thalictrum venulosum, all Violets except nuttalli, Woodsia scopulina. With adequate moisture, however, much sun is equally agreeable to these shade tolerant kinds.

COLD CLIMATE CACTI

Coryphantha vivipara Ball, to 3" or more, showy carmine flowers on top, June. 30c; 3, 75c.

Echinocereus viridiflorus Barrel, to 3 or 4", glossy greenish yellow blossoms on ribs, June. 35c; 3, 90c.

Neobesseya missouriensis Ball, to 2" or more, blossom yellow or pale orange, May. 30c; 3, 75c.

Opuntia fragilis Brittle Cactus. A pygmy prickly pear. Large yellow blossoms, June. 35c; 3, 90c.

O. humifusa Pads 4 to 6". Very large silken yellow red centered blooms, late June. Ripe pears dark red showy. 30c; 3, 75c.

O. imbricata Tree Cactus. Ribbed cylindrical sections, carmine flowers, July. 50c; 3, \$1.35.

O. polyacantha Many spined prickly pear, 4" or larger pads, 4" silken yellow blooms. 30c; 3, 75c.

O. polyacantha Rich orange flowered, 40c; 3, \$1.00.

O. polyacantha "rhodantha", carmine, 50c 3, \$1.35.

Culture: The above will bear 30 degrees or more below zero but must prepare for it by drying and shriveling in advance of winter. An ample depth of 9 parts gravel and coarse sand to 1 part of good loam, has been found to produce lavish bloom and to provide the essential winter drynes.

SHRUBS

Amorpha canescens Lead Plant. Low, gray velvety effect, orange dotted purple fingers of blossom, June, July. 12 to 25" 75c; 3, \$1.65.

Artemisia cana Rather stiffly erect Gray Sage, 2 to 3 ft. Leaves lance-linear, 1½". 60c; 3, \$1.50.

Artemisia filifolia Sand Sage. Beautiful, silvery, fragrant, much branched, 2 to 3 ft. 60c; 3, \$1.50.

Artemisia Tridentata Sagebrush. Blue-silvered tiny three-tipped leaves, erect bushy plant. Nice fragrance. Local form, to 30". 75c; 3, \$1.65.

Atriplex canescens Salt Bush. Gray-green in branch and leaf, broad densely branched bush, to 24". Conspicuous gray-green seed bracts. 60c; 3, \$1.35.

Cercocarpus montanus Mountain Mahogany. Little slightly grayish toothed leaves, novel blossoms, silver-silky seed tassels. Pleasing alone or grouped. Upright to arching, to 8 ft. \$1.00; 3, \$2.40.

Chrysothamnus graveolens Rabbit Brush. Every upper branch carries a head of goldenrod-like bloom in September. Striking effect. 3 ft. 75c; 3, \$1.80.

Eurotia lanata Winter-Fat. Sagey appearing plant, holding its leaves well into winter and adding white seed tufts in fall. 12 to 20". 50c; 3, \$1.35.

Rhus trilobata Dense growing, with neat pleasing foliage. Colors wonderfully in fall. 5 ft. 60c.

Rosa arkansana J. W. Fargo Wild tetraploid of 40 petals, beautifully formed. "Wholly delightful wild rose pink," (Mrs. Henry.) Blossoms in clusters over many weeks, mainly July. 12 to 20" \$1.00 each.

Rosa foliolosa Delightful 1½" blossoms of pure white. Small shining leaflets. 10 to 12". Runs moderately. 80c each.

Rose Mrs. Mina Lindell An upright, natural tetraploid, to 3 ft. Semi-double, a vivid carmine-crimson. Dark foliage, red stems, few thorns. \$1.00.