

Seed mixes are required by TRCA to restore and stabilize disturbed soils within valley corridors and associated buffers. Unacceptable mixes can undermine the ecological integrity of valleys and other adjacent natural areas when:

- the mix is not suited to the site conditions and fails to stabilize soils; sedimentation of watercourses ensues; and/or
- aggressive alien species invade and dominate over native species. Invasive exotic species can limit the regeneration of indigenous vegetation, restrict native biodiversity and alter the nature of the ecosite.

The following guidelines are recommended for use of seed mixes:

1. Seed mixes must contain native species that are suitable to the local soil, moisture, and light conditions. Species should be compatible and complementary to the existing vegetation communities. Some suppliers offer mixtures that are suited to various conditions, including a slope stabilization mix, meadow mix, and wetland mix. When selecting species, consideration should be given to the soil fertility and texture of the site as these are important factors in controlling the invasion of aggressive exotics as nutrient-rich, clayey or loamy disturbed soils favour these species. Less fertile soils can sometimes support more sensitive species less tolerant of competition.
2. Attached is a list of herbaceous species that indicates whether a species is exotic or native within the TRCA jurisdiction. Please note the caveats indicated below. General conditions where specific species may be appropriate are indicated. Species labelled 'Problem Exotics' are generally not permitted because they can be invasive. Species labelled 'Acceptable Exotics' are short-lived species and can be used as a nurse crop to complement native mixes to ensure cover during the first year following application. If the species cannot be found in this reference, it is likely exotic and not acceptable.
3. Proposed percentages for each species in the mix should be provided. Attempt to provide between 30-50% "Acceptable Exotic" species in the seed mix.
4. All disturbed areas should be seeded as soon as possible following the completion of works. Erosion controls must remain in place until seeding has sufficiently stabilized the site (i.e. more than 80% cover). Works occurring during the winter months should specify interim soil stabilization measures to secure the site during the spring freshet.
5. If possible, seeds should be derived from locally adapted sources within the bioregion.
6. Seeding should not be executed during the drought-prone season (i.e. June through August), unless adequate irrigation can be supplied.
7. In general, a minimum of 15 cm of topsoil should be applied to disturbed areas prior to seeding applications. Topsoil and mulch should be carefully selected, as they can contain seeds or tubers of invasive exotics such as creeping thistle and Manitoba maple.
8. In instances where seedbank salvage operations are employed, stockpiled soil should be stabilized over winter using a tackifier or mulch.

Note: This document is dated **July 2004** and is consistent with current policies adopted by the TRCA at this time. These guidelines are not meant to be exhaustive but present the typical requirements of the TRCA and are subject to change.

Seed Mix Species List Caveats

Attached is the list of suitable species for seed mixes for the TRCA jurisdiction based upon several general site criteria. Please note that:

1. This is a working list of species that may be appropriate for seed mixes in the TRCA jurisdiction, and may be subject to additions, subtractions or other changes.
2. The species on this list will be subject to obtainability and availability. Some of these species are not available in seed mixes at this time.
3. Many of the more common species can be directly collectible as seed heads from roadsides and wetlands, such as tall goldenrod, and do not need to be grown for harvest. Rarer native successional plants (which have largely been replaced by the exotics) need to be propagated first, to make a seed source which can be harvested.
4. Site conditions are assumed to be open, sunny, newly disturbed, but distinguished according to soil and moisture considerations. Note that the clay/loam is very different from clay barren. The former is rich, heavy soil (not pure clay and often with topsoil) that grows in fast with weedy species, and is by far the most common situation one would encounter. This category represents soil that is typical of natural forest soil in the TRCA region and tree planting should be considered. Clay barren is exposed subsoil that supports a very thin growth of plants, including however, some rarer species that cannot compete with more tolerant species such as tall goldenrod.
5. Note that a few woody plants such as paper birch have been included. These have small, storable seeds that can be easily thrown into a seed mix, and tend also to be tricky to transplant, so seeding might be better than using nursery stock, or at least as an adjunct to direct planting.

TRCA Seed Mix Species List

April 2005		Dry	Clay	Clay Loam	Wetland / (storm water)	Special	Acceptable	Problem	Native
Scientific name	Common Name	Sandy Sites	Barren / Subsoil	(generally) (fertile sites)	(storm water)	Prairie & Coastal	Exotics (short-lived)	Exotics	Exotic
<i>Achillea millefolium</i> ssp. <i>lanulosum</i>	woolly yarrow	x	x	x					Native
<i>Acorus americanus</i> (<i>A. calamus</i> misapplied)	sweet flag				x				Native
<i>Agrostis scabra</i>	ticklegass				x				Native
<i>Alisma plantago-aquatica</i> (<i>A. triviale</i>)	water-plantain				x				Native
<i>Alopecurus aequalis</i>	short-awned foxtail				x				Native
<i>Ammophila breviligulata</i>	marram or beach grass					x			Native
<i>Amphicarpaea bracteata</i>	hog-peanut			x					Native
<i>Anaphalis margaritacea</i>	pearly everlasting	x							Native
<i>Andropogon gerardii</i>	big bluestem	x							Native
<i>Anemone canadensis</i>	Canada anemone			x	x				Native
<i>Anemone virginiana</i> (<i>inc. vs. alba, cylindroidea, riparia</i>)	common thimbleweed		x	x					Native
<i>Angelica atropurpurea</i>	angelica				x				Native
<i>Antennaria neglecta</i>	field pussytoes	x	x						Native
<i>Apocynum androsaemifolium</i>	spreading dogbane	x		x					Native
<i>Apocynum cannabinum</i> (<i>inc. var. hypericifolium</i>)	Indian-hemp dogbane			x	x				Native
<i>Arabis glabra</i>	tower mustard	x				x			Native
<i>Artemisia campestris</i> ssp. <i>caudata</i>	beach wormwood					x			Native
<i>Asclepias incarnata</i> ssp. <i>incarnata</i>	swamp milkweed				x				Native
<i>Asclepias syriaca</i>	common milkweed	x		x					Native
<i>Aster cordifolius</i>	heart-leaved aster		x	x					Native
<i>Aster ericoides</i> ssp. <i>ericoides</i> (<i>Virgulus ericoides</i>)	heath aster		x	x					Native
<i>Aster lanceolatus</i> ssp. <i>lanceolatus</i>	panicled or tall white aster			x	x				Native
<i>Aster lateriflorus</i>	calico or one-sided aster			x					Native

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Scientific name	Common Name	Dry		Clay	Clay Loam (generally)	Wetland / (storm water)	Special	Acceptable	Problem	Native
		Sandy	Sites							
<i>Aster novae-angliae</i> (<i>Virgulus novae-angliae</i>)	New England aster		x		x					Exotic/Invasive
<i>Aster oolentangiensis</i> (<i>A. azureus</i>)	sky-blue or azure aster	x					x			Native
<i>Aster puniceus</i> var. <i>puniceus</i>	swamp or purple-stemmed aster					x				Native
<i>Aster umbellatus</i> var. <i>umbellatus</i>	flat-topped aster				x					Native
<i>Aster urophyllus</i> (<i>A. sagittifolius</i>)	arrow-leaved aster	x								Native
<i>Astragalus canadensis</i>	Canada milk-vetch	x			x					Native
<i>Beckmannia syzigachne</i>	slough grass					x				Native
<i>Betula papyrifera</i>	paper or white birch	x			x					Native
<i>Bidens cernuus</i>	nodding bur-marigold					x				Native
<i>Bidens tripartitus</i> (inc. <i>B. connatus</i> , <i>B. comosus</i>)	three-parted beggar's ticks					x				Native
<i>Bromus latiglumis</i>	eared or tall brome					x				Native
<i>Calamagrostis canadensis</i>	Canada blue joint					x				Native
<i>Calyptegia sepium</i> (incl. ssp. <i>americanum</i> , <i>angulatum</i> , <i>erraticum</i>)	hedge bindweed				x					Native
<i>Campanula aparinooides</i>	marsh bellflower					x				Native
<i>Campanula rotundifolia</i>	harebell	x					x			Native
<i>Carex alopecoidea</i>	foxtail or brown-headed wood sedge					x				Native
<i>Carex aquatilis</i>	water or Goodenough's sedge					x				Native
<i>Carex atherodes</i>	awned sedge					x				Native
<i>Carex aurea</i>	golden-fruited sedge			x						Native
<i>Carex bebbii</i>	Bebb's sedge				x					Native
<i>Carex blanda</i> (<i>C. laxiflora</i> var. <i>blanda</i>)	common wood sedge			x						Native
<i>Carex brevior</i>	short-fruited sedge	x					x			Native
<i>Carex crihita</i>	fringed sedge					x				Native
<i>Carex cristatella</i>	crested sedge				x					Native

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		Sandy	Sites							
<i>Carex cryptolepis</i>	small yellow sedge			x						Exotic/Invasive
<i>Carex eburnea</i>	bristle-leaved sedge			x						Native
<i>Carex flava</i>	yellow sedge			x						Native
<i>Carex granularis</i>	meadow sedge			x	x					Native
<i>Carex hystericina</i> (<i>C. hystericina</i>)	porcupine sedge					x				Native
<i>Carex lacustris</i>	lake-bank sedge					x				Native
<i>Carex merritt-fernaldii</i>	Fernald's sedge	x								Native
<i>Carex molesta</i>	troublesome sedge					x				Native
<i>Carex muhlenbergii</i> var. <i>muhlenbergii</i>	Muhlenberg's sedge	x					x			Native
<i>Carex pallescens</i>	pale sedge			x						Native
<i>Carex pellita</i> (<i>C. lanuginosa</i> ; <i>C. filiformis</i> var. <i>lanuginosa</i>)	woolly sedge				x					Native
<i>Carex projecta</i>	necklace or loose-headed oval sedge					x				Native
<i>Carex pseudo-cyperus</i>	pseudocyperus sedge					x				Native
<i>Carex siccata</i> (<i>C. foenea</i>)	sand-bank, hillside, or hay sedge	x					x			Native
<i>Carex stipata</i>	awl-fruited sedge					x				Native
<i>Carex stricta</i>	tussock sedge					x				Native
<i>Carex sychnocephala</i>	dense long-beaked sedge					x				Native
<i>Carex tribuloides</i>	blunt broom sedge					x				Native
<i>Carex trichocarpa</i>	hairy-fruited sedge					x				Native
<i>Carex vulpinoidea</i>	fox sedge				x					Native
<i>Ceanothus americanus</i>	New Jersey tea	x					x			Native
<i>Chelone glabra</i>	turtlehead					x				Native
<i>Chenopodium capitatum</i>	strawberry-blite	x								Native
<i>Chenopodium simplex</i> (<i>C. hybridum</i> ; <i>C. gigantospermum</i>)	maple-leaved goosefoot	x			x					Native
<i>Clematis virginiana</i>	virgin's bower				x					Native

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		Sandy	Sites					Barren / Subsoil	(fertile sites)		
<i>Clinopodium vulgare</i> (<i>Satureja vulgaris</i>)	dogmint or wild basil	x			x						Exotic/Invasive
<i>Comptonia peregrina</i>	sweet-fern	x					x				Native
<i>Corydalis aurea</i> ssp. <i>aurea</i>	golden corydalis	x									Native
<i>Crataegus macracantha</i> (<i>C. succulenta</i> var. <i>macracantha</i>)	long-spined hawthorn	x			x						Native
<i>Crataegus pedicellata</i>	scarlet or pedicelled hawthorn				x						Native
<i>Crataegus pringlei</i>	Pringle's hawthorn				x						Native
<i>Crataegus punctata</i>	dotted hawthorn				x	x					Native
<i>Crataegus submollis</i>	Emerson's hawthorn				x						Native
<i>Crataegus succulenta</i>	long-spined or succulent hawthorn				x						Native
<i>Cyperus lupulinus</i> (<i>C. filiculmis</i>) (incl. ssp. <i>macilentus</i>)	slender umbrella-sedge or galingale						x				Native
<i>Danthonia spicata</i>	poverty oat grass	x		x							Native
<i>Desmodium canadense</i>	showy tick-trefoil	x				x					Native
<i>Echinocystis lobata</i>	wild cucumber				x	x					Native
<i>Eleocharis erythropoda</i> (<i>E. calva</i> ; <i>E. palustris</i> v. <i>calva</i>)	creeping or red-stemmed spike-rush					x					Native
<i>Eleocharis obtusa</i>	blunt spike-rush					x					Native
<i>Elymus canadensis</i>	Canada wild rye	x									Native
<i>Elymus riparius</i>	riverbank wild rye					x					Native
<i>Elymus virginicus</i> var. <i>virginicus</i>	Virginia wild rye					x					Native
<i>Epilobium angustifolium</i>	fire-weed						x				Native
<i>Epilobium ciliatum</i> ssp. <i>ciliatum</i>	sticky willow-herb					x					Native
<i>Epilobium coloratum</i>	purple-leaved willow-herb					x					Native
<i>Equisetum arvense</i>	field or common horsetail			x		x					Native
<i>Erigeron annuus</i>	annual or daisy fleabane	x		x		x					Native

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Scientific name	Common Name	Sandy Sites	Barren / Subsoil	(fertile sites)	(storm water)	Prairie & Coastal	Exotics (short- lived)	Exotics	Exotic Exotic
<i>Erigeron philadelphicus</i> ssp. <i>philadelphicus</i>	Philadelphia fleabane			x					Native
<i>Erigeron pulchellus</i>	Robin's plantain	x							Native
<i>Erigeron strigosus</i> (<i>E. annuus</i> ssp. <i>strigosus</i>)	rough fleabane	x	x	x					Native
<i>Eupatorium maculatum</i> ssp. <i>maculatum</i>	spotted Joe-Pye weed				x				Native
<i>Eupatorium perfoliatum</i>	boneset				x				Native
<i>Eupatorium rugosum</i>	white snakeroot			x					Native
<i>Euthamia graminifolia</i> (<i>Solidago</i> <i>graminifolia</i>)	grass- or narrow-leaved goldenrod			x	x				Native
<i>Fragaria virginiana</i> (incl. ssp. <i>glauca</i> & <i>virginiana</i>)	wild or common strawberry	x	x	x					Native
<i>Galium palustre</i>	marsh bedstraw				x				Native
<i>Galium triflorum</i>	sweet-scented bedstraw			x	x				Native
<i>Geum aleppicum</i> (<i>G. strictum</i>)	yellow avens			x	x				Native
<i>Geum canadense</i>	white avens			x					Native
<i>Glyceria grandis</i>	tall manna grass				x				Native
<i>Glyceria septentrionalis</i>	eastern manna grass				x				Native
<i>Glyceria striata</i> (incl. vars. <i>striata</i> & <i>stricta</i>)	fowl manna grass				x				Native
<i>Gnaphalium macounii</i>	viscid cudweed	x							Native
<i>Gnaphalium obtusifolium</i>	fragrant cudweed	x							Native
<i>Hackelia virginiana</i>	Virginia stickseed	x		x					Native
<i>Hedeoma hispidum</i>	rough pennyroyal	x							Native
<i>Hedeoma pulegioides</i>	American pennyroyal	x							Native
<i>Helianthemum bicknellii</i>	Bicknell's frostweed					x			Native
<i>Helianthemum canadense</i>	frostweed					x			Native
<i>Helianthus divaricatus</i>	woodland sunflower	x				x			Native
<i>Hieracium kalmii</i> (<i>H. canadense</i>)	Canada hawkweed	x				x			Native
<i>Hypericum ascyron</i>	great St. Johnswort				x				Native

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		Sandy	Sites							
<i>Impatiens capensis (l. biflora)</i>	orange touch-me-not (spotted jewelweed)					x				Native
<i>Iris versicolor</i>	blue flag				(fertile sites)	x				Native
<i>Juncus articulatus</i>	jointed rush			x		x				Native
<i>Juncus balticus</i>	Baltic rush						x			Native
<i>Juncus bufonius</i>	toad rush			x	x	x				Native
<i>Juncus dudleyi</i>	Dudley's rush				x	x				Native
<i>Juncus effusus ssp. solutus</i>	soft rush					x				Native
<i>Juncus tenuis</i>	path rush					x				Native
<i>Juncus torreyi</i>	Torrey's rush					x				Native
<i>Juniperus communis</i>	common juniper	x		x						Native
<i>Juniperus virginiana</i>	red cedar	x		x						Native
<i>Lactuca biennis</i>	tall blue lettuce					x				Native
<i>Lactuca canadensis</i>	wild lettuce					x				Native
<i>Lathyrus palustris</i>	marsh vetchling					x				Native
<i>Leersia oryzoides</i>	rice cut grass					x				Native
<i>Lepidium virginicum</i>	Virginia pepper-grass	x		x		x				Native
<i>Lespedeza capitata</i>	round-headed bush-clover	x					x			Native
<i>Liatis cylindracea</i>	cylindric blazing-star						x			Native
<i>Liatis spicata</i>	spike blazing-star						x			Native
<i>Lilium michiganense</i>	Michigan or Turk's cap lily					x				Native
<i>Lindernia dubia var. dubia</i>	false pimpernel					x				Native
<i>Lobelia inflata</i>	Indian tobacco	x								Native
<i>Lobelia siphilitica</i>	great blue lobelia					x				Native
<i>Lycopus americanus</i>	American or cut-leaved water-horehound					x				Native
<i>Lycopus uniflorus</i>	northern water-horehound or bugleweed					x				Native

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April 2005

Scientific name	Common Name	Dry		Clay	Clay Loam (generally) (fertile sites)	Wetland / (storm water)	Special Prairie & Coastal	Acceptable Exotics (short-lived)	Problem Exotics	Native
		Sandy Sites	Barren / Subsoil							
<i>Lysimachia ciliata</i>	fringed loosestrife					x				Native
<i>Maianthemum stellatum (Smilacina stellata)</i>	starry false Solomon's seal						x			Native
<i>Mentha arvensis ssp. borealis</i>	wild mint				x	x				Native
<i>Mimulus ringens</i>	square-stemmed monkey-flower					x				Native
<i>Monarda fistulosa</i>	wild bergamot	x			x					Native
<i>Muhlenbergia frondosa</i>	wire-stemmed or leafy muhly grass				x	x				Native
<i>Muhlenbergia mexicana var. mexicana</i>	common muhly grass		x		x	x				Native
<i>Myosotis laxa</i>	smaller forget-me-not					x				Native
<i>Oenothera biennis</i>	common or hairy evening-primrose	x			x					Native
<i>Panicum acuminatum (P. implicatum; P. lanuginosum)</i>	hairy panic grass	x	x							Native
<i>Panicum capillare</i>	panic or witch grass				x	x				Native
<i>Panicum virgatum</i>	switch grass						x			Native
<i>Penstemon digitalis</i>	foxglove beard-tongue		x		x		x			Native
<i>Penstemon hirsutus</i>	hairy beard-tongue	x					x			Native
<i>Penthorum sedoides</i>	ditch stonecrop					x				Native
<i>Plantago rugelii</i>	red-stemmed or Rugel's plantain			x	x					Native
<i>Poa compressa</i>	Canada or flat-stemmed bluegrass							x		Native?
<i>Poa palustris</i>	fowl meadow-grass					x				Native
<i>Polygonum cilinode</i>	fringed black bindweed	x			x		x			Native
<i>Polygonum scandens</i>	climbing false buckwheat	x			x	x	x			Native
<i>Potentilla arguta var. arguta</i>	tall or prairie cinquefoil						x			Native
<i>Potentilla paradoxa</i>	bushy cinquefoil						x			Native
<i>Ranunculus sceleratus</i>	cursed crowfoot					x				Native

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Scientific name	Common Name	Dry		Clay	Clay Loam (generally) (fertile sites)	Wetland / (storm water)	Special Prairie & Coastal	Acceptable		Problem	Native
		Sandy Sites	Barren / Subsoil					Exotics	Exotics (short-lived)		
<i>Rorippa palustris</i> ssp. <i>fernaldiana</i> (R. <i>islandica</i> var. <i>fernaldiana</i>)	Fernald's marsh cress					x					Native
<i>Rorippa palustris</i> ssp. <i>hispidula</i> (R. <i>islandica</i> var. <i>hispidula</i>)	hispid marsh cress					x					Native
<i>Rosa blanda</i>	smooth wild rose	x	x								Native
<i>Rubus allegheniensis</i>	common blackberry				x						Native
<i>Rubus flagellaris</i>	northern dewberry	x									Native
<i>Rubus idaeus</i> ssp. <i>melanolasius</i> (R. <i>strigosus</i>)	wild red raspberry				x						Native
<i>Rubus occidentalis</i>	wild black raspberry				x						Native
<i>Rudbeckia hirta</i> (R. <i>serotina</i>)	black-eyed Susan	x	x		x		x				Native
<i>Rudbeckia laciniata</i>	cut-leaved or green-headed coneflower				x	x					Native
<i>Rumex acetosella</i> ssp. <i>acetosella</i>	sheep sorrel	x									Native
<i>Rumex orbiculatus</i>	great water dock					x					Native
<i>Rumex verticillatus</i>	swamp dock					x					Native
<i>Sagittaria latifolia</i>	common arrowhead					x					Native
<i>Schizachyrium scoparium</i> (Andropogon <i>scoparius</i>)	little bluestem						x				Native
<i>Scirpus acutus</i>	hard-stemmed bulrush					x					Native
<i>Scirpus atrovirens</i>	black-fruited or dark green bulrush					x					Native
<i>Scirpus cyperinus</i>	woolly bulrush or wool-grass					x					Native
<i>Scirpus fluviatilis</i>	river bulrush					x					Native
<i>Scirpus microcarpus</i> (S. <i>rubrotinctus</i>)	barber-pole sedge or bulrush					x					Native
<i>Scirpus pendulus</i>	drooping, nodding, or red bulrush		x			x					Native
<i>Scirpus pungens</i> (S. <i>americanus</i>)	three-square or chairmaker's rush					x					Native
<i>Scirpus validus</i>	soft-stemmed bulrush					x					Native
<i>Scutellaria galericulata</i> (S. <i>epilobifolia</i>)	common skullcap					x					Native

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		Sandy	Sites					Barren / Subsoil	Exotics		
<i>Scutellaria lateriflora</i>	mad-dog skullcap					x					Exotic/Invasive
<i>Silene antirrhina</i>	sleepy catchfly	x					x				Native
<i>Sisyrinchium montanum</i>	blue-eyed grass			x							Native
<i>Solidago altissima</i>	tall goldenrod				x						Native
<i>Solidago bicolor</i>	silver-rod or white goldenrod	x									Native
<i>Solidago canadensis</i> var. <i>canadensis</i>	Canada goldenrod				x						Native
<i>Solidago gigantea</i>	late goldenrod				x						Native
<i>Solidago hispida</i>	hairy goldenrod	x									Native
<i>Solidago juncea</i>	early goldenrod	x		x							Native
<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	gray goldenrod	x		x							Native
<i>Solidago rugosa</i> ssp. <i>rugosa</i>	rough-stemmed goldenrod				x						Native
<i>Solidago squarrosa</i>	stout goldenrod	x					x				Native
<i>Sorghastrum nutans</i>	Indian grass						x				Native
<i>Sparganium eurycarpum</i>	giant or great bur-reed					x					Native
<i>Spartina pectinata</i>	prairie cord grass					x					Native
<i>Sporobolus cryptandrus</i>	sand dropseed	x					x				Native
<i>Stellaria longifolia</i>	long-leaved chickweed					x					Native
<i>Thalictrum pubescens</i> (T. <i>polygamum</i>)	tall meadow rue					x					Native
<i>Typha latifolia</i>	broad-leaved cattail					x					Native
<i>Verbena hastata</i>	blue vervain					x					Native
<i>Verbena stricta</i>	hoary vervain	x									Native
<i>Verbena urticifolia</i>	white vervain				x						Native
<i>Veronica americana</i>	American speedwell or brooklime					x					Native
<i>Vicia americana</i>	American vetch	x									Native
<i>Agrostis stolonifera</i> (A. <i>alba</i> var. <i>palustris</i>)	creeping bent grass								x		Exotic?

TRCA Seed Mix Species List

April 2005

Scientific name	Common Name	Dry		Clay	Clay Loam (generally) (fertile sites)	Wetland / (storm water)	Special Prairie & Coastal	Acceptable Exotics (short-lived)	Problem Exotics	Native
		Sandy Sites	Barren / Subsoil							
<i>Atriplex patula</i> (<i>A. patula</i> var. <i>hastata</i>)	halberd-leaved orache or sparscale							x		Exotic?
<i>Atriplex prostrata</i> (<i>A. patula</i>)	spreading orache							x		Exotic?
<i>Avena sativa</i>	oats							x		Exotic
<i>Cyperus esculentus</i>	yellow nut-sedge or chufa							x		Exotic?
<i>Fagopyrum esculentum</i> (F. <i>sagittatum</i>)	buckwheat							x		Exotic
<i>Helianthus annuus</i> (incl. ssp. <i>annuus</i> & <i>lenticularis</i>)	common sunflower							x		Exotic
<i>Hordeum hystrix</i>	barley							x		Exotic
<i>Hordeum jubatum</i> ssp. <i>jubatum</i>	squirrel-tail barley							x		Exotic
<i>Lolium perenne</i> (inc. var. <i>aristatum</i>)	perennial rye							x		Exotic
<i>Panicum miliaceum</i>	millet							x		Exotic
<i>Polygonum achoreum</i>	striate knotweed							x		Exotic
<i>Portulaca oleracea</i>	purslane							x		Exotic
<i>Secale cereale</i>	rye							x		Exotic
<i>Sporobolus neglectus</i>	overlooked dropseed	x		x						Exotic?
<i>Sporobolus vaginiflorus</i>	ensheathed dropseed	x		x						Exotic?
<i>Triticum aestivum</i>	wheat							x		Exotic
<i>Agrostis gigantea</i>	Red top								x	Exotic/Invasive
<i>Bromus inermis</i> ssp. <i>inermis</i>	smooth brome grass								x	Exotic/Invasive
<i>Carex spicata</i>	spiked or European meadow sedge								x	Exotic/Invasive
<i>Chrysanthemum leucanthemum</i>	ox-eye daisy								x	Exotic/Invasive
<i>Convallaria majalis</i>	lily-of-the-valley								x	Exotic/Invasive
<i>Convolvulus arvensis</i>	field bindweed								x	Exotic/Invasive
<i>Coronilla varia</i>	crown vetch								x	Exotic/Invasive
<i>Dactylis glomerata</i>	orchard grass								x	Exotic/Invasive
<i>Elymus repens</i> (<i>Agropyron repens</i>; <i>Elytrigia repens</i>)	quack grass								x	Exotic/Invasive

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April 2005

Scientific name	Common Name	Dry		Clay	Clay Loam (generally) (fertile sites)	Wetland / (storm water)	Special Prairie & Coastal	Acceptable Exotics (short-lived)	Problem Exotics	Native Exotic
		Sandy Sites	Barren / Subsoil							
<i>Festuca arundinacea</i> (<i>F. elatior</i> ssp. <i>arundinacea</i>)	tall fescue								x	Exotic/Invasive
<i>Festuca pratensis</i> (<i>F. elatior</i> var. <i>pratensis</i>)	meadow fescue								x	Exotic/Invasive
<i>Festuca rubra</i>	(creeping) red fescue								x	Exotic/Invasive
<i>Festuca trachyphylla</i> (<i>F. longifolia</i> ; <i>F. brevipila</i> ; <i>F. ovina</i>)	hard or sheep fescue								x	Exotic/Invasive
<i>Glechoma hederacea</i>	creeping Charlie or ground-ivy								x	Exotic/Invasive
<i>Glyceria maxima</i>	giant or rough manna grass								x	Exotic/Invasive
<i>Hemerocallis fulva</i>	orange day-lily								x	Exotic/Invasive
<i>Hesperis matronalis</i>	dame's rocket								x	Exotic/Invasive
<i>Iris pseudacorus</i>	yellow flag								x	Exotic/Invasive
<i>Iris virginica</i>	southern blue flag								x	Exotic/Invasive
<i>Juncus compressus</i>	round-fruited or compressed rush								x	Exotic/Invasive
<i>Linum perenne</i>	perennial flax								x	Exotic/Invasive
<i>Linum usitatissimum</i>	common flax								x	Exotic/Invasive
<i>Lotus corniculatus</i>	bird's foot trefoil								x	Exotic/Invasive
<i>Lycopus europaeus</i>	European water-horehound or bugleweed								x	Exotic/Invasive
<i>Medicago lupulina</i>	black medick								x	Exotic/Invasive
<i>Medicago sativa</i> ssp. <i>falcata</i>	alfalfa								x	Exotic/Invasive
<i>Medicago sativa</i> ssp. <i>sativa</i>	alfalfa								x	Exotic/Invasive
<i>Mellilotus alba</i>	white sweet clover								x	Exotic/Invasive
<i>Mellilotus officinalis</i>	yellow sweet clover								x	Exotic/Invasive
<i>Miscanthus sacchariflorus</i>	eulalia or Amur silver grass								x	Exotic/Invasive
<i>Myosotis scorpioides</i>	true or European forget-me-not								x	Exotic/Invasive
<i>Phalaris arundinacea</i>	reed canary grass								x	Exotic/Invasive

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		Sandy Sites	Barren / Subsoil							
<i>Phleum pratense</i>	timothy grass								x	Exotic/Invasive
<i>Phragmites australis</i> (P. communis)	common, giant, or great reed								x	Exotic/Invasive
<i>Poa pratensis</i> ssp. <i>pratensis</i>	Kentucky blue grass								x	Exotic/Invasive
<i>Polygonum convolvulus</i>	black bindweed								x	Exotic/Invasive
<i>Setaria faberi</i>	giant foxtail								x	Exotic/Invasive
<i>Setaria glauca</i> (S. pumila)	yellow foxtail								x	Exotic/Invasive
<i>Setaria italica</i>	foxtail millet								x	Exotic/Invasive
<i>Setaria verticillata</i> var. <i>verticillata</i>	bristly foxtail								x	Exotic/Invasive
<i>Setaria viridis</i>	green foxtail								x	Exotic/Invasive
<i>Trifolium arvense</i>	rabbit-foot clover								x	Exotic/Invasive
<i>Trifolium aureum</i> (T. agrarium)	hop-clover								x	Exotic/Invasive
<i>Trifolium campestre</i>	large hop-clover								x	Exotic/Invasive
<i>Trifolium hybridum</i>	alsike clover								x	Exotic/Invasive
<i>Trifolium incarnatum</i>	crimson clover								x	Exotic/Invasive
<i>Trifolium medium</i>	zig-zag clover								x	Exotic/Invasive
<i>Trifolium pratense</i>	red clover								x	Exotic/Invasive
<i>Trifolium repens</i>	white clover								x	Exotic/Invasive
<i>Vicia cracca</i>	cow, tufted, or bird vetch								x	Exotic/Invasive
<i>Vicia sativa</i> ssp. <i>nigra</i> (V. angustifolia)	common vetch								x	Exotic/Invasive