

Appendix A. Artificial Turf Requirements and Plant List

Town of Mt. Crested Butte Town Code Landscaping Reference

Chapter 21, Zoning, Article V, Sec. 21-305

Artificial Turf must meet the following requirements:

- a. Type/Materials.
 1. Artificial turf products shall have a minimum eight-year warranty against fading.
 2. Artificial turf must be a green color, similar to natural grass.
 3. Artificial turf shall be of a type known as cut pile infill and shall be manufactured from polypropylene, biobased products, nylon, polyester, polyethylene, or a blend of polypropylene, biobased products, nylon, polyester, or polyethylene fibers stitched onto a meshed or hole-punched backing made of similar materials. Biobased products are derived from plants and other agricultural, marine, and forestry materials, and may be certified as a USDA BioPreferred product.
 4. Hole-punched backings shall have holes spaced in a uniform grid pattern with spacing not to exceed four inches by six inches on center.
 5. Backings shall be designed to drain at a minimum rate of two inches per hour.
 6. The use of indoor or outdoor carpeting in lieu of artificial turf, mulch or other plant material is not permitted.
- b. PFAS Free Requirements.
 1. All artificial turf, infill, and other manufactured products used in the installation of artificial turf shall be free of per- and poly-fluoroalkyl substances (PFAS). A non-plastic fill material such as silicone or ground walnut shells is required.
 2. PFAS-free means that at least one of the following requirements have been met:
 - i. The manufacturer or distributor has publicly stated that the product is made without the intentional use of PFAS in a statement referring to all members of the class of PFAS using language such as "PFAS-free," "fluorocarbonfree," "per- and poly-fluorinated compounds-free," and similar. "PFC-free" shall not be sufficient to satisfy this requirement. The statement must explicitly address which product or products it applies to, and ambiguous statements will not be accepted.
 - ii. The product has been tested and shown to be PFAS-free. Testing sufficient to satisfy this requirement may have been carried out at the manufacturer's request or as a part of an independent investigation by a nongovernmental organization, research laboratory, or other entity not affiliated with the company. Testing completed by the manufacturer does not satisfy this requirement. Testing results must be published online and must indicate the test method used and the specific product tested. Third-party certifications are not valid as "PFAS-free" unless the testing evaluates total organic fluorine and results are publicly available.
 - iii. Documentation evidencing that the proposed product is PFAS-free shall be submitted with the landscape plan documents.
- c. Installation and maintenance:
 1. Artificial turf must be installed according to manufacturer's instructions.
 2. The specified base material(s) system must be able to contain a minimum of one-half inch of precipitation prior to generating sheet flow runoff.
 3. Artificial turf shall be anchored at all edges and seams.

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About the Plant List: Intent, Resources, and Recommendations

This plant list is intended to offer initial parameters of permitted plants that may be suitable for Mt. Crested Butte's sub-alpine environment and to prohibit others. Several resources were used to create this list including plant list recommendations from Colorado State University Extension, Prospect at Mt. Crested Butte Design Guidelines, SCJ Alliance Landscape Architects, and Norris Design Landscape Architects. The Mt. Crested Butte Weeds Advisory Board and members of the public with relevant plant expertise offered additional guidance.

The intent of the Town of Mt. Crested Butte is that this list will continue to serve as a resource to the community and will be adapted by Town staff to reflect evolving information about plant suitability, disease, and availability. It is important to note that there are a range of microclimates, elevation differences, and variable plant availability for the plants identified herein. It is recommended that residents work with knowledgeable professionals to identify specific plants that are locally available and best suited to the unique aspects, climate, and other relevant properties of their individual building site.

Common Name	Botanical Name	Native to Gunnison Valley	Native to Colorado	Drought Tolerant	Fire resistant	Hardy to Elevation
TREES						
White Fir	<i>Abies concolor</i>		X			10000
Thinleaf Alder	<i>Alnus incana</i>	X	X		X	9500
Rocky Mountain Birch	<i>Betula occidentalis</i>		X		X	9000
Engelmann Spruce	<i>Picea engelmannii</i>	X	X			11000
Colorado Blue Spruce	<i>Pinus pungens</i>	X	X			9000
Bristlecone Pine	<i>Pinus aristata</i>	X	X	X		9000
Narrowleaf Cottonwood	<i>Populus angustifolia</i>	X	X			10000
Quaking Aspen	<i>Populus tremuloides</i>	X	X		X	10000
Chokecherry, Native	<i>Prunus virginiana</i>	X	X	X	X	9000
Red Chokecherry	<i>Prunus virginiana</i> 'Shubert'			X	X	9000
Douglas Fir	<i>Pseudotsuga menziesii</i>	X	X			10000
SHRUBS						
Rocky Mountain Maple	<i>Acer glabrum</i>	X	X		X	9000
Saskatoon Serviceberry	<i>Amelanchier alnifolia</i>	X	X		X	9500
Kinnikinnik	<i>Arctostaphylos uva-ursi</i>		X		X	10000
Black Chokeberry	<i>Aronia melanocarpa</i>					9000
Silver Sagebrush	<i>Artemisia cana</i>		X	X		9500
Big Sagebrush	<i>Artemisia tridentata</i>	X	X	X		10000
Bog Birch	<i>Betula glandulosa</i>	X	X			10000
Siberian Peashrub	<i>Caragana arborescens</i>			X		9000
Curl-Leaf Mountain Mohogany	<i>Cercocarpus ledifolius</i>		X	X		9000
Dwarf Rubber Rabbitbrush	<i>Chrysothamnus nauseosus</i>	X	X	X		9500
Red Twig Dogwood	<i>Cornus sericea</i>		X		X	9000
Rock Spiraea	<i>Holodiscus dumosus</i>	X	X	X	X	9500
Common Juniper	<i>Juniperus communis</i>	X	X	X		10000
Creeping Juniper	<i>Juniperus horizontalis</i>			X		9500
Twinberry Honeysuckle	<i>Lonicera involucrata</i>		X	X	X	10000
Arnold's Red Honeysuckle	<i>Lonicera tatarica</i> 'Arnold's Red'			X	X	10000
Mountain Ninebark	<i>Physocarpus monogynus</i>	X	X	X		9500
Common Ninebark	<i>Physocarpus opulifolius</i>		X	X		9000
Mugo Pine	<i>Pinus mugo</i>					9000
Shrubby Cinquefoil	<i>Potentilla fruticosa</i>		X			10000
Antelope Bitterbrush	<i>Purshia tridentata</i>		X			9000
Golden Currant	<i>Ribes aureum</i>		X		X	9000
Wax Currant	<i>Ribes cereum</i>		X		X	9500
Whitestem Gooseberry	<i>Ribes inerme</i>		X		X	9500
Redleaf Rose	<i>Rosa glauca</i>				X	9000
Rugosa Rose	<i>Rosa rugosa</i>				X	9000
Woods' Rose	<i>Rosa woodsii</i>		X		X	10000
Cultivated Raspberry	<i>Rubus idaeus</i>					9000
Boulder Raspberry	<i>Rubus deliciosus</i>		X			9000
Western Thimbleberry	<i>Rubus parviflorus</i>		X			9500
Drummond Willow	<i>Salix drummondiana</i>		X		X	10000
Rocky Mountain Willow	<i>Salix monticola</i>		X		X	9000
Dwarf Arctic Willow	<i>Salix purpurea nana</i>				X	9000
Red-Berried Elder	<i>Sambucus racemosa</i>		X			9500
Russet Buffaloberry	<i>Shepherdia canadensis</i>		X			9500
Mountain Ash	<i>Sorbus scopulina</i>		X		X	9500
Mountain Snowberry	<i>Symphoricarpos oreophilus</i>				X	9000
Common Lilac	<i>Syringa vulgaris</i>				X	9000
ORNAMENTAL GRASSES						
Indian Ricegrass	<i>Achnatherum hymenoides</i>	X	X	X		9500
Blue Grama Grass	<i>Bouteloua gracilis</i>	X	X	X		9000
Feather Reed Grass	<i>Calamagrostis acutiflora</i>			X		8500
Tufted Hairgrass	<i>Deschampsia caespitosa</i>	X	X	X		9500
Bottlebrush Squirreltail	<i>Elymus elymoides</i>	X	X	X		9500

Blue Avena Grass	Helictotrichon sempervirens			X		9000
Prairie Junegrass	Koeleria macrantha	X	X			11500
PERENNIALS & GROUNDCOVERS						
Common Yarrow	Achillea millefolium	X	X	X	X	9500
Bishop's Weed	Aegopodium podagraria			X	X	9000
Nettleleaf Giant Hyssop	Agastache urticifolia	X	X	X		9500
Hollyhock	Althaea rosea					9000
Smalleaf Pussytoes	Antennaria parvifolia	X	X		X	10000
Rosy Pussytoes	Antennaria rosea	X	X		X	10000
Golden Columbine	Aquelegia chrysantha		X	X	X	9000
Colorado Blue Columbine	Aquilegia caerulea	X	X		X	9500
Western Red Columbine	Aquilegia elegantula	X	X		X	9500
Fringed Sage	Artemisia frigida	X	X	X		9000
Bluebell Bellflower	Campanula rotundifolia	X	X	X		9000
Perennial Bachelor Button	Centaurea montana					9000
Fireweed	Chamerion angustifolium	X	X	X		10000
Subalpine Larkspur	Delphinium barbeyi	X	X			10000
Sweet William	Dianthus barbatus			X	X	9000
Maiden Pinks	Dianthus deltoides			X	X	9000
Bleeding Heart	Dicentra spectabilis				X	9000
Showy Fleabane	Erigeron speciosus	X	X	X		9500
Sulphur Flower Buckwheat	Eriogonum umbellatum	X	X	X		10000
Engelmann's Aster	Eucephalus engelmannii	X	X			9000
Blanket Flower	Gaillardia aristata	X	X		X	9000
Sweet Woodruff	Galium odoratum				X	8500
Sweet Bedstraw	Galium septrionale		X		X	9500
Bloody Geranium	Geranium sanguineum			X	X	9000
Richardson's Geranium	Geranium richardsonii	X	X		X	9500
Sticky Geranium	Geranium viscosissimum	X	X		X	9000
Prairie Smoke	Geum triflorum		X	X	X	10000
Rocky Mountain Iris	Iris missouriensis		X			10000
Winterfat	Krascheninnikovia lanata	X	X	X		9500
Lewis Flax	Linum lewisii	X	X		X	9500
Silvery Lupine	Lupinus argenteus	X	X		X	9500
Hybrid Lupine	Lupinus hybrids				X	8500
Creeping Colorado Holly	Mahonia repens	X	X	X		9000
Tufted Evening Primrose	Oenothera caespitosa	X	X	X	X	9000
Icelandic Poppy	Papaver nudicale			X	X	9500
Oriental Poppy	Papaver orientale			X	X	9000
Mountain Lover	Paxistima canbyi			X		9000
Mountain Lover	Paxistima myrsinites	X	X	X		11000
Mat Penstemon	Penstemon caespitosus	X	X		X	9000
Rocky Mountain Penstemon	Penstemon strictus	X	X		X	9500
Moss Phlox	Phlox subulata				X	9000
Jacob's Ladder	Polemonium caeruleum					9000
Skunkleaf Polemonium	Polemonium pulcherrimum subs. Delicatum		X			14000
Wooly Cinquefoil	Potentilla hippiana	X	X			10000
Stoncrop	Sedum spp. & cultivars			X	X	9000
Moss Campion	Silene acaulis		X			9500
Dwarf Golderod	Solidago simplex var. simplex		X	X	X	110000
Scarlet Globemallow	Sphaeralcea coccinea		X	X		9500
Mountain Goldenbanner	Thermopsis montana		X		X	9000
Turkish Speedwell	Veronica liwanensis			X	X	9000

Western Virgin's Bower	<i>Clematis ligusticifolia</i>		X		
Virginia Creeper	<i>Partheocissus quinquefolia</i>		X		
Clematis	<i>Clematis 'Jackmanii'</i>				

BULBS

European Lily of the Valley	<i>Crocus sp.</i>				
Siberian Squill	<i>Convallaria majalis</i>				
Tulip	<i>Scilla siberica</i>				
Grape Hyacinth	<i>Tulipa sp.</i>				
Daffodill	<i>Muscari armeniacum</i>				
	<i>Narcissus cv.</i>				