

Native Plants as Alternative Landscape Plants for Low- Water Landscaping



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What is "NATIVE"



Be careful defining what is a native

- In an area as topographically diverse as Utah 'native' may be more academic than reality



Utah



- Cold, high desert with a short growing season
- High mountain valleys





Is there a need for native, drought tolerant plants for use in Utah landscapes?





- Herbaceous perennial release program
- Native perennials selected from the wild
 - Direct to production
 - Selection through common gardens
- Trademarked materials with honoraria for labels
- Reviewed and released by the Utah Agricultural Experiment Station
- In collaboration with USU intellectual property office



Tetranneuris acaulis
arizonica 'Sol Dancer'



Epilobium canum var.
garrettii 'Wasatch Fire'



Penstemon platyphyllus
'Uvatung'



Salvia dorrii v. *Clokeyi*
'Purple Chip'



Statistics on sales
Number of nurseries
Dollars
Dollars returned to program



- Woody plant release program
- Superior native woody plants selected from the wild
 - Significant effort on asexual propagation
 - Considers selection, propagation, and production

Selection

Columnar forms



Fall color



Dwarf forms



- Drought tolerance is assumed
- No selection for enhanced production or disease resistance



Broadleaf evergreens



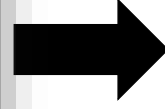
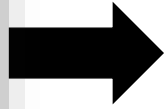
Improved foliage

Propagation

- Bigtooth maple (*Acer saccharum* subsp. *grandidentatum*)
- Difficult to propagate from cuttings



Bigtooth maple Oregon production model



Maple performance evaluation



Bottom line?

If we can choose the right native plant:

- It should be sustainable, attractive, and functional in the landscape
- It should survive when the drought comes and irrigation ends

Sumac



Dragon's Eye Sumac



Gro Low Sumac

Serviceberry



Autumn Brilliance Serviceberry



Shadblow Serviceberry

Blue Heron Bristlecone Pine

"Iseli Introduction"



Pinus longaeva 'Blue Heron'

A seedling selection from Iseli Nursery, 'Blue Heron' has a narrow habit when young and a more open, pyramidal habit with age.

A cultivar of the Great Basin Bristlecone Pine, a species known for extreme longevity, with specimens recorded at well over 4,000 years old, it makes a great choice for cold climates and long life.

Garden Size - 15'H x 12'W
Intermediate - 6-12 inches / year
Broad Upright - Zone 4- Bluish Green
Full Sun



Sherwood Compact Bristlecone Pine



Pinus longaeva 'Sherwood Compacta'

This handsome, slow-growing Great Basin Bristlecone Pine develops a perfectly conical shape and a dense, formal appearance. Tightly packed tufts of medium-long, green needles with white undersides radiate around the ascending branches of the long-lived conifer. Related to the oldest-living known organism, this selection was found and named by late Oregon nurseryman Andy Sherwood.

Garden Size - 3'H x 2'W
Dwarf - 2-4 inches / year
Broad Upright - Zone 4 - Green
Full Sun





Vanderwolfs Pyramid Limber Pine



Taylor's Sunburst Lodgepole Pine

Questions?

