Available Technology:
Agriculture

Emerald Sprite™ Cotoneaster

Emerald Sprite™ (Cotoneaster x suecicus) is a new fire blight resistant cotoneaster cultivar with a highly compact, mounding habit, extremely dense foliage, short internodes. It is novel for its combination of habit and improved disease resistance.

TECHNOLOGY DESCRIPTION

The following traits have been repeatedly observed and are determined to be unique to Emerald Sprite™. Collectively, these traits distinguish Emerald Sprite™ from other available cotoneasters:

STATUS

Plant patent applied for

- Evergreen to semi-evergreen
- Highly compact growth form with a clumping growth habit, as opposed to the more standard creeping habit
- Resistance to fire blight
- Excellent container production performance.
- Short internodes
- More vigorous and faster production than other dwarf cultivars such as 'Tom Thumb'

Please Contact:
Denis Sather
IP & Licensing Manager
541.737.8806
Denis.D.Sather@oregonstate.edu

Technology Ref. # OSU-18-59

About the Principal Investigators

RYAN CONTRERAS PH.D.

(1) Academic/Professional: Ryan Contreras earned his Ph.D. in Horticulture at University of Georgia in 2009 after graduating from North Carolina State University with a B.S. in 2002 and M.S. in 2006, both degrees were in Horticultural Science. Contreras has developed the woody ornamental plant breeding program at Oregon State University Department of Horticulture since his hire in 2009.

(2) Research: Ryan Contreras' research consists of plant breeding and genetics. His efforts are in developing ecologically responsible cultivars for the nursery and landscape industries that have reduced fertility, are amenable to production, and show consistently high performance in landscapes. His program is marked by his close alignment to the nursery industry. Research goals include fundamental science to understand genetics of various traits, genome size analysis, cytogenetics, and genomics, and bioinformatics – however, all this work provides support to further the applied breeding program. The goals of the program were developed, and are constantly evaluated, based on industry needs and input.

The OCCD supports research development and commercialization of University intellectual property. Focusing on the protection and transfer of intellectual property through license, confidentiality and material transfer agreements, the OCCD is the bridge between researchers and commercial entities. From Oregon-based startups to large international companies, the OCCD facilitates OSU research to impact the world. Visit oregonstate.technologypublisher.com to view technologies available for commercialization.