

Current Management and Research on Cut Peonies



Today's Schedule

Background on Cut Peony

John Dole, NC State University

Peony Production

Dave Dowling, Ednie Flower Bulbs

Peony Postharvest

Nathan Jahnke, NC State University

Disease and Pest Management

Gary Chastagner, Washington State University

Peony History



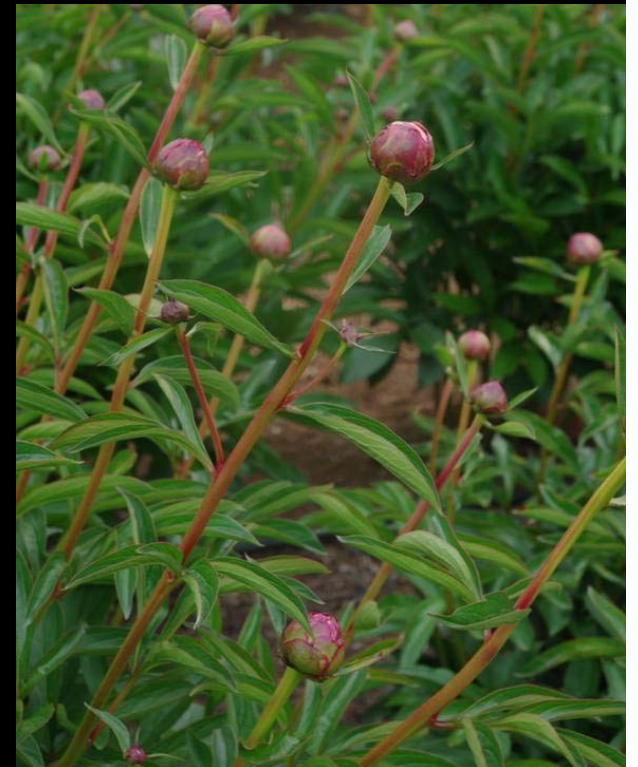
- *Paeonia* species (33) are native to northern temperate zones of Asia and Europe, with two species native to western North America
- *Paeonia lactiflora*, most commonly grown, is native to east Asia
- Cultivated in China for over 3,000 years
- Ornamental and medicinal plant

Peony in the U.S. and Canada

- Probably cultivated before 1800
- Widely grown by mid 1800s
- Grown as a cut flower since late 1800s
- Valued as a major cut flower by early 1900s
- Grown on more than 4,000 acres at one time
- Production declined, especially in 1970s and 1980s

Why are we working on peonies?

- Resurged as a major cut flower
 - 2nd most commonly-grown cut flower
 - Now tracked by USDA (2018)
 - NC #1
 - OR #2
 - WA #3
 - AK #4
 - CA #5



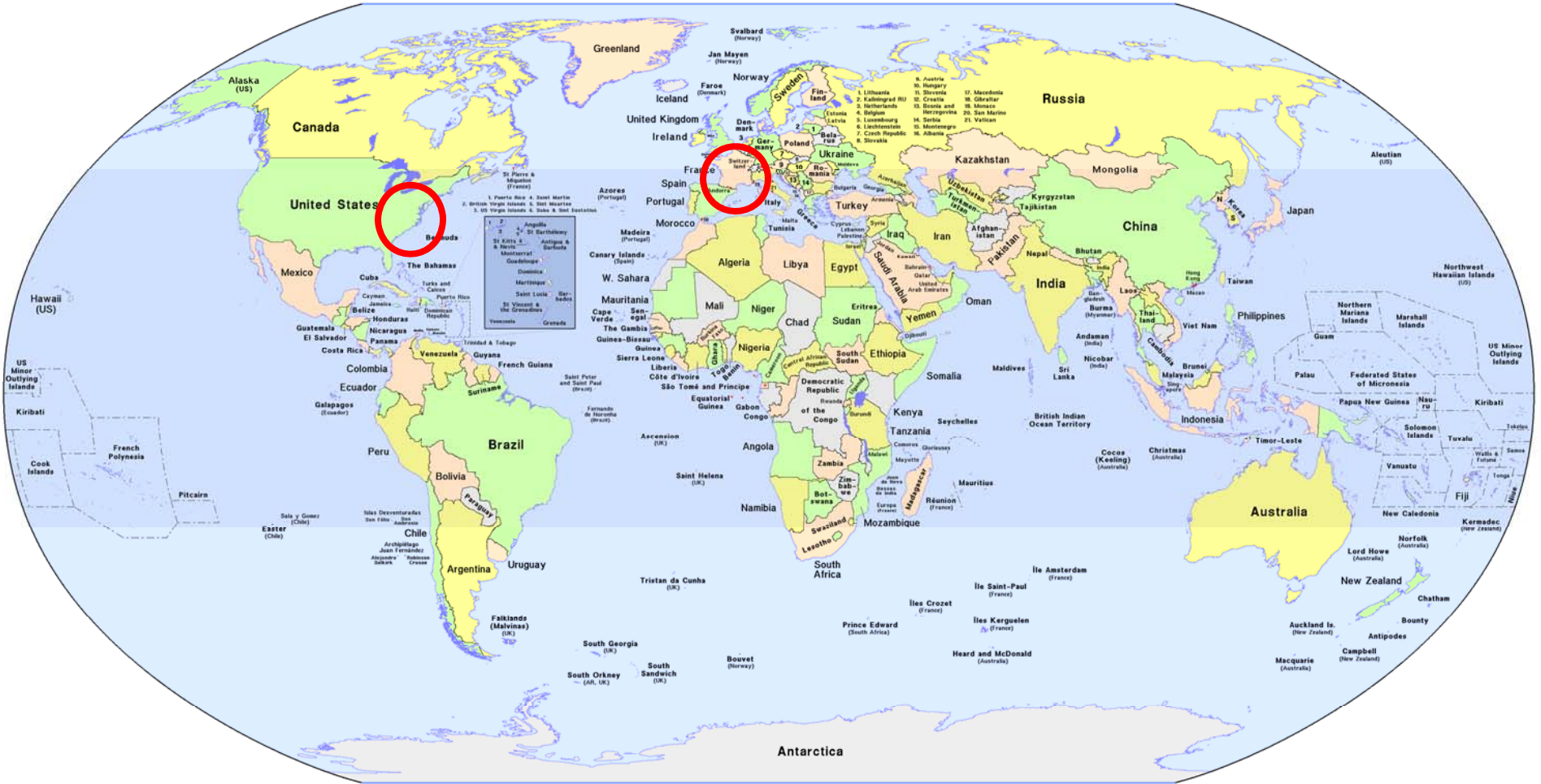
Why are we working on peonies?

- Relatively short vase life
- Limited harvest period
 - Great need for long term storage research
 - Tolerates storage well
 - Tolerates freezing temperatures
- Can be used to develop a process for other cut flowers – tulips, iris, anemone, ranunculus, etc.
- Susceptible to a number of diseases

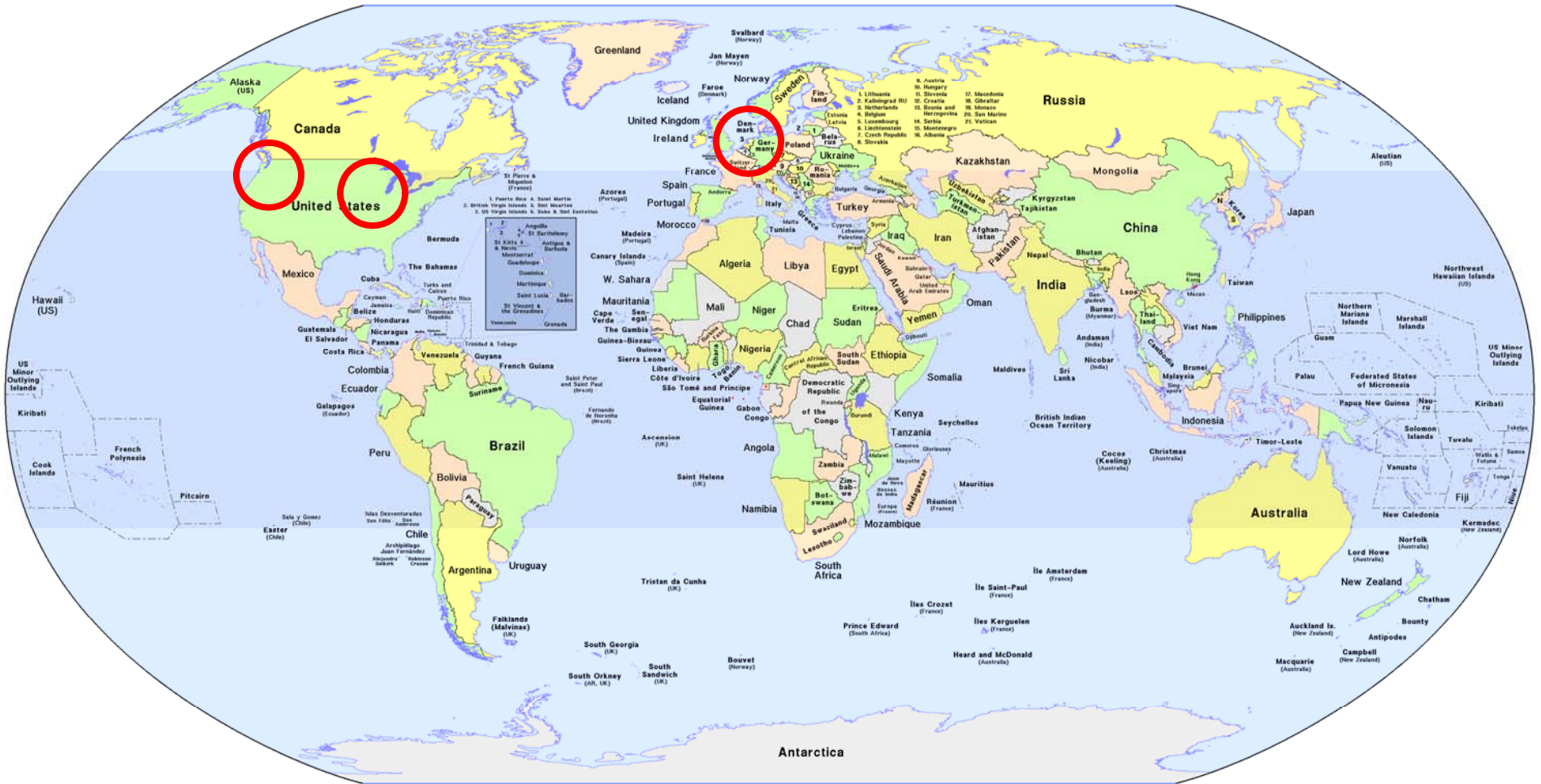
Peony Production



Peony Production



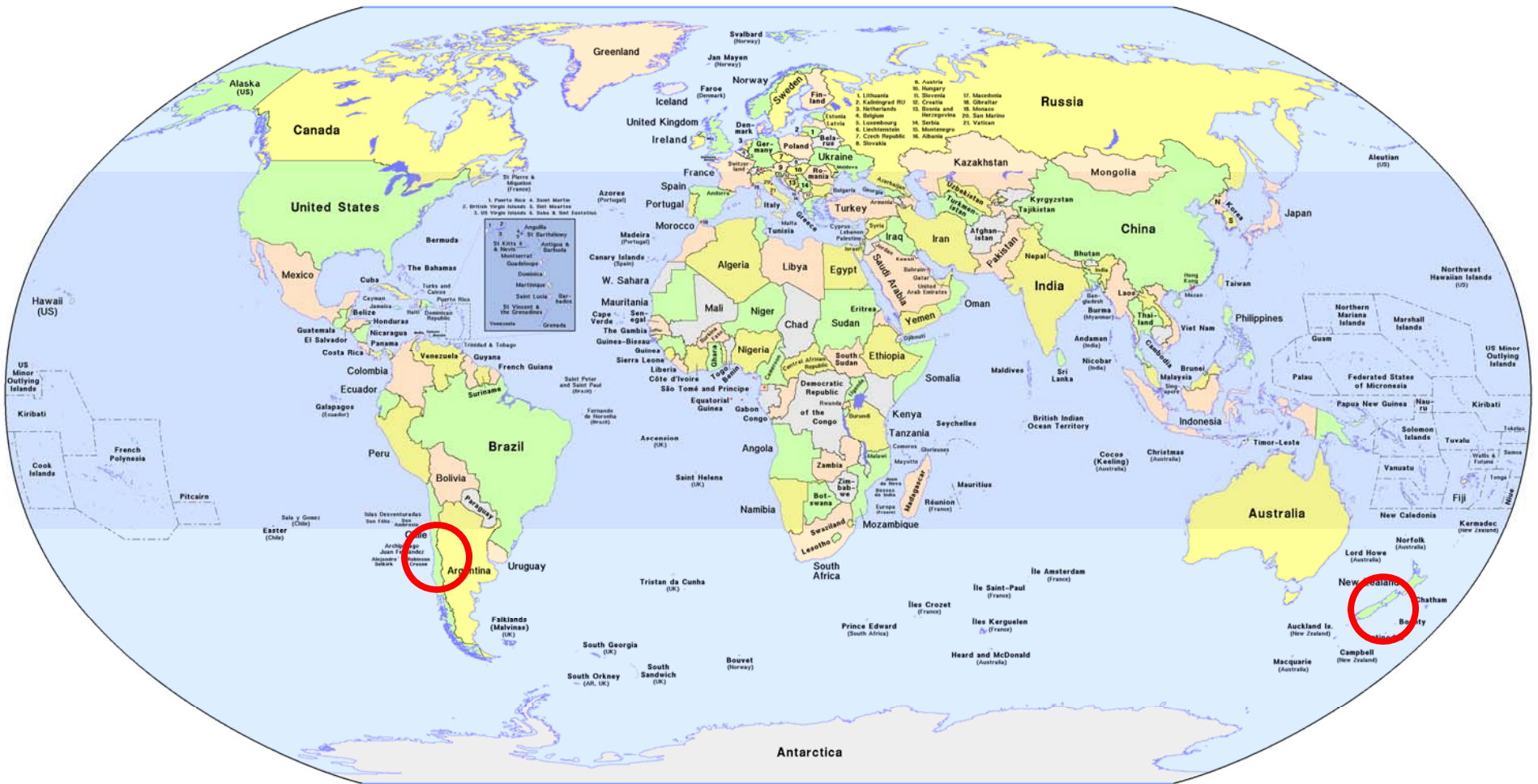
Peony Production



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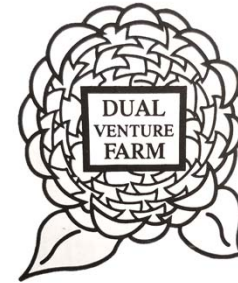


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Questions/Comments?

