









United States Department of Agriculture





NRCS work begins with **Resource Concerns**

SOIL EROSION: Sheet, rill, & wind erosion

WATER QUALITY
DEGRADATION:
Excessive sediment
in surface waters

LIVESTOCK
PRODUCTION
LIMITATION:
Inadequate
feed and forage

SOIL QUALITY
DEGRADATION:
Organic matter
depletion

WATER QUALITY
DEGRADATION:
Excess nutrients in
surface and ground
waters

INADEQUATE
HABITAT FOR FISH
AND WILDLIFE:
Habitat degradation

DEGRADED PLANT
CONDITION:
Excessive plant pest
pressure

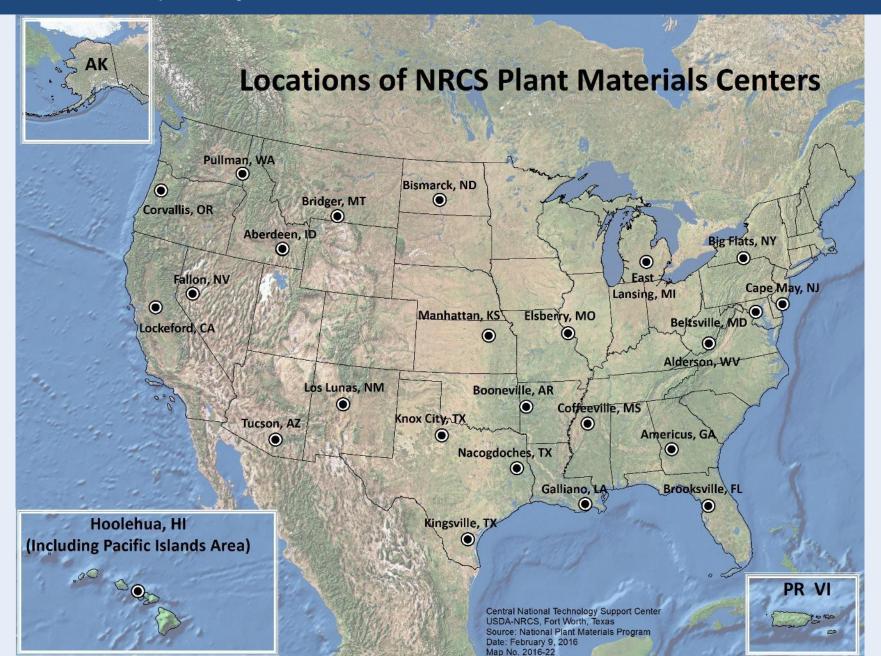
DEGRADED PLANT CONDITION: Inadequate structure and composition



We use **Conservation Practices**

- Forage and Biomass Plantings (512)
- Critical Areas (342)
- Cover Crops (340)
- Range Planting (550)
- Field Border (386)
- Conservation Cover (327)
- Early Successional Habitat
 Development/Management (647)







An 80 Year History







"Nature has evolved a plant for every purpose."

- Dr. Franklin J. Crider



Plant Materials Centers Provide Turn-key Solutions





Plant Materials Center Plant Development

- Address a Resource Concern
- Support a Conservation Practice
- Must be practical to use by farmers and ranchers
- Must be cost-effective
- Must be viable for commercial growers



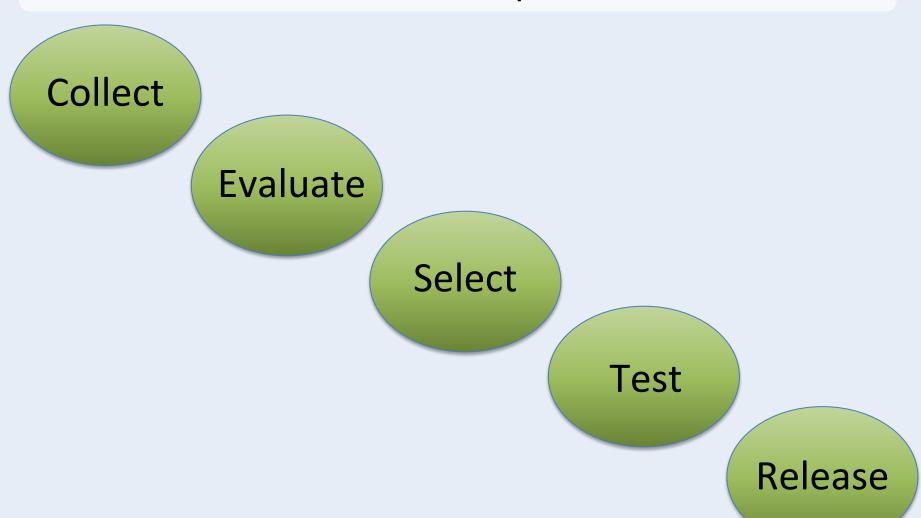








The PMC Plant Development Process

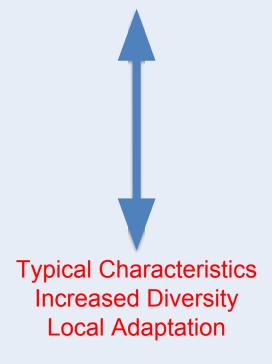




How Much Selection?

- Cover Crops (340)
- Forage and Biomass Plantings (512)
- Critical Areas (342)
- Range Planting (550)
- Field Border (386)
- Conservation Cover (327)
- Early Successional HabitatDevelopment/Management (647)

Specific Characteristics
More Uniformity
Wider Adaptation





What Type of Release?

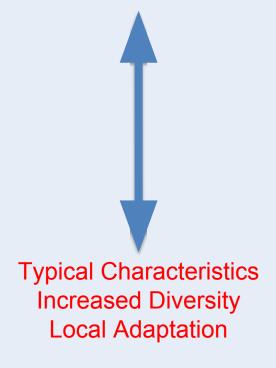
Cultivars

Tested

Selected

Source-Identified

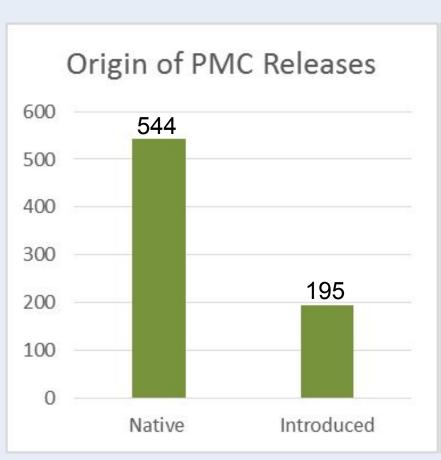
Specific Characteristics
More Uniformity
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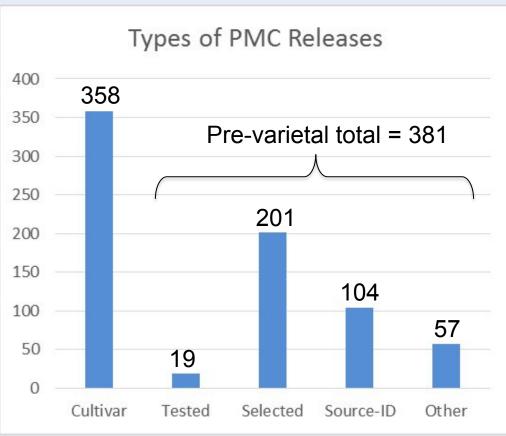




Summary of NRCS Plant Releases

Total from 1939 to present = 739











The preceding presentation was delivered at the

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This and additional presentations available at http://nativeseed.info





