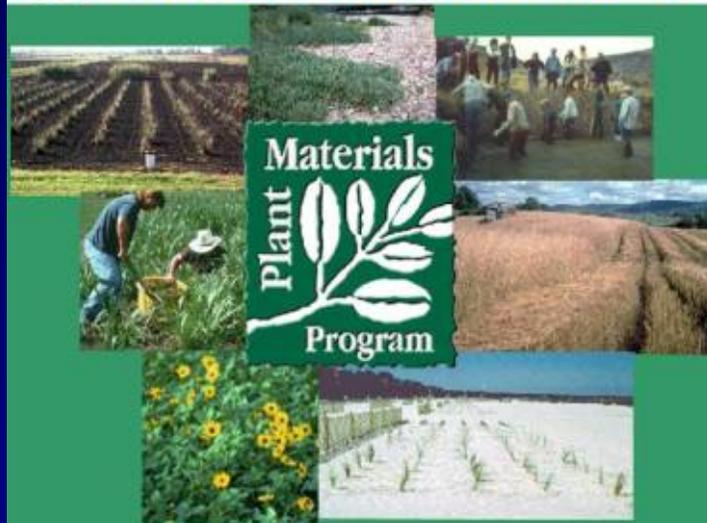


 **NRCS** Natural Resources  
Conservation Service



**NRCS Manhattan Plant  
Materials Center  
“Helping People, Help the  
Land”**

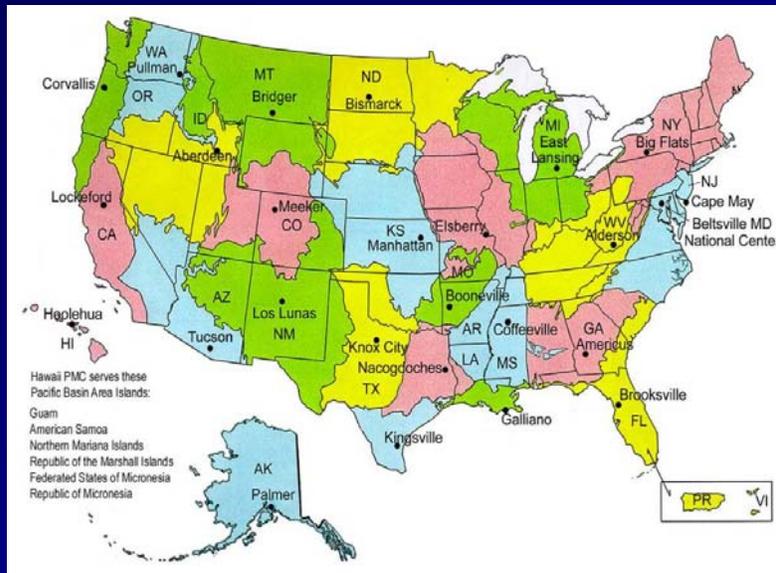
3800 South 20<sup>th</sup> street  
Manhattan, KS 66502  
785-539-8761  
[richard.wynia@ks.usda.gov](mailto:richard.wynia@ks.usda.gov)

# History



- In the 1930's Soil Conservation Nurseries were established to grow and distribute plants for the stabilization of severely eroding lands.

## Service Areas of the Plant Materials





**Manhattan, Kansas PMC Staff**

- Manager: Richard Wynia
- Assistant Manager: John Row
- Intern: Alan Shadow
- Biological Science Technician: Don Garwood
- Biological Science Technician: Jerry Longren
- Office Automation Clerk: Erma Leuthold







What is the Plant Materials Program and how is the Program carried out?

## Selects Plants with Superior Performance to Address Conservation Needs

## Provide Improved Plants to Vendors for Commercial Availability



# Foundation Seed Harvesting, Drying, Processing and Storage







## Plant Classes Released from the Manhattan PMC

- Cultivars – Mainly native grasses & forbs
- Selected
- Tested
- Source Identified – One to date





**Little Bluestem**



**Sideoats Grama**



**Sand Bluestem**



**'Midas'  
False Sunflower**



**Partridgepea**



**'Eureka' Thick-spike Gayfeather**



## Plants currently under development

- False Indigo *Amorpha fruticosa*
- Common Buttonbush *Cephalanthus occidentalis*
- Bur Oak *Quercus macrocarpa*





**Bur Oak**

## Threatened and Endangered Species - Kansas

- Mead's Milkweed
  - 1) Propagation Studies
  - 2) Seedling Establishment
  - 3) Seed Production
- Great Plains white fringed orchid
- Running buffalo clover

### Mead's Milkweed - flowering



# Develop Shoreline and Streambank Stabilization Techniques





## Develop Techniques for Critical Area Revegetation



## Butler/Greenwood County Saline Critical Area Planting

Alkali Sacaton  
Switchgrass  
Tall Wheat  
Big Sacaton  
Inland Saltgrass

Western Wheat  
Russian Wildrye  
Alkali Grass  
Blue Panicgrass  
Fourwing Saltbush





So, with 70 years of plant and soils data collection and experimentation, don't we have a good handle on wind and water erosion??





# What Products does the Plant Materials Center Provide?

Plants, Technology and Knowledge.

## Program Products



Plant Technology



Plant Releases

# Printed Materials

Plant Materials Program Web Site *Plant-Materials.nrcs.usda.gov*

With links to:  
PLANTS Database  
PLANTS Species Profiles

Information:  
Publications  
Fact Sheets  
Plant Releases  
Plant Materials Centers



## Presentations / Training Sessions / Site Visits



■ For individual land owners, schools, specialized groups, and interagency





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