

# Scaling Up Improved Switchgrass to Develop the Seed Market in Ontario

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# Scaling Up a New AG Industry for Ontario

- Switchgrass Seed Scale Up and Marketing
- Continued Breeding of Switchgrass & Big Bluestem
- Plant Breeders Rights Trials (for 20 year protection) in NA and Europe



# Scaling Up Seed Production

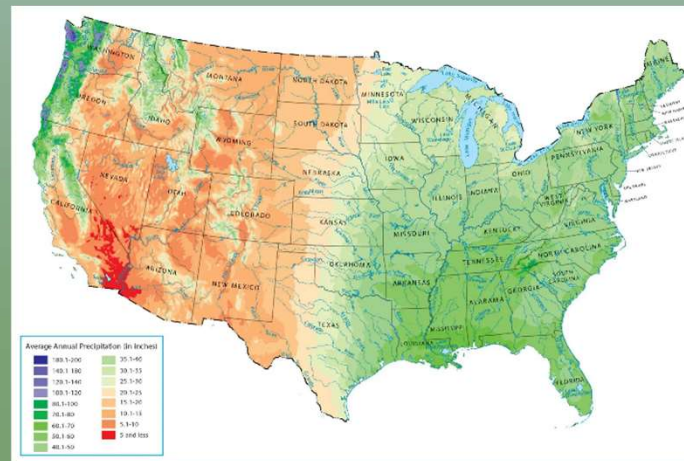
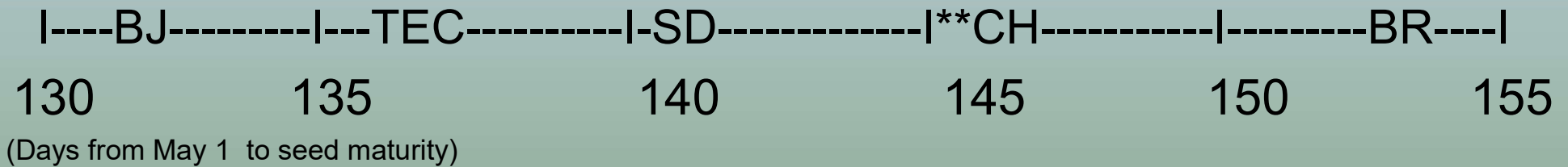
In 2024 there will be 800 Acres



# Five New Improved Upland Switchgrass Varieties have been Developed

(4 Commercialized and 1 in seed scale up)

<b>RC Blue Jacket VI</b>	<b>RC Tecumseh</b>	<b>RC Sundance</b>	<b>RC Chippewa</b>	<b>RC Big Rock</b>
<b>132 days</b>	<b>137 days</b>	<b>141 days</b>	<b>146 days</b>	<b>153 Days</b>



# Breeding Continues to Develop Faster and Higher Yielding Varieties





# Big Bluestem

Major Breeding Progress and is in Scale Up

# Plant Breeders Rights Trials



**In 2023 our first two  
PBR's approved for 20  
year protection: RC Big  
Rock and RC Chippewa**

# 3 Plant Breeders Rights Protections



## RC Big Rock SWITCHGRASS SEED (*Panicum virgatum*)

Lot: RC-BR-NF1-23

Purity: 99.96%

Inert material: 0.04%

Other crop seed: 0.00%

Other weed seed: 0.00%

Noxious weed seed: None found

Total viable: 92%

Germination: 68%

Dormant: 24%

Pure Live Seed: 91.96%

Test date: 11/2023

Seed count: 175,000 per pound

Origin: Ontario, Canada

50 lb Net weight

Nott Farms Ltd.

80171 Kinburn Line

Clinton, Ontario, Canada

**"Unauthorized Propagation Prohibited"**  
**U.S. Protected Variety (PVP 94)**



# RC Sundance: New 2024 Release

- Combines early maturity and high yield
- Mainly targeted for fall harvest dry cow and heifer feed



# Ontario has an Ideal Climate for Growing High Quality Warm Season Grass Seed for Export





# REAP-Canada

Resource Efficient Agricultural Production

## Research Partners in WSG Plant Improvement

