Madison Metropolitan Sewerage District
Biosolids Program
The Metrogro Program

• Overview
  • 36 million gallons transported and applied to farm fields each year
  • 4 staff year-round, 1 truck driver during hauling
    • Contract 4 applicator drivers and 14 trucks and drivers
  • Work with 50 farmer each year to apply to 200 fields, total of 4,500 acres
The Metrogro Program

- 3 – 6 million gal. storage tanks = 18 million gal. of storage
- At peak of season:
  - 15 semi trailers hauling product to fields
The Metrogro Program

- Maximum haul distance is 35 miles from the treatment plant
  - Each trailer holds 5,000 to 5,600 gallons
  - Approx. 7,000 semi loads leave the treatment plant each year
The Metrogro Program

• All in-field applicators are operated by contract workers
• At peak of season:
  • 4 in-field applicators are operating throughout the countryside
The Metrogro Program

- All fields are permitted with the DNR prior to application
- Application rate is based on previous 12 months nutrient content of Metrogro, the soil yield potential, crop needs and credits
- Various setbacks in each field
The Metrogro Program

- Applicator capacities range from 4,000 to 6,800 gallons
- All Metrogro is injected
- 200 fields covered annually = 4,500 acres
The Metrogro Program

• 2019 Season Recap:
  – Longest spring hauling season in recent history
  • First Hauling Day: Saturday April 6\textsuperscript{th}
  • Last Hauling Day: Saturday June 8\textsuperscript{th}

Metrogro Hauling Trends
The Metrogro Program

- **2019 Season Recap:**
  - Earliest summer season in history
  - First Hauling Day: Monday, July 8th
The Metrogro Program

• 2019 Season Recap:
  – Late fall season due to late planting in spring
The Metrogro Program

2019 Season Highlights:

- Despite spring fields under water, many of which couldn’t be planted, we still finished our spring hauling season
The Metrogro Program

• 2019 Season Highlights:
  – Trialed a ‘straw’ in a tanker, more trailers to have straws installed 2020
  – Commissioned the new applicator
The Metrogro Program

• **2019 Season Highlights:**
  - Trialed a fourth low disturbance injector
  - Built a second reduced disturbance injector with our existing tillage
The Metrogro Program

• 2019 Season Highlights:
  – No one was covered in Metrogro this year!
  • Picture from 2018
Questions?

Kim Meyer
608-334-6259
kimm@madsewer.org

World’s 67th Largest Pumpkin of 2019
Fertilizer: mix including Metrogro compost