



# SOIL SAMPLING GUIDELINES

## FOR EASTERN REGION

- Use clean sampling tools.
  - A push probe or Soil auger can be used.
  - clean plastic bucket for each depth increment.
  - Brush and wipe sample tools between fields
- Sample each representative area
  - 1ft, 2ft, and 3ft sample will be taken
- Determine how many individual cores to take.

Sample points recommended by field size to form composite	
1-9 Acres	10 Cores
10-25 Acres	20 Cores
26-50 Acres	25 Cores
>51 Acres	30 Cores

- Mix multiple cores thoroughly in a sample bucket.



- Placed about 2 cups of the mixed sample in a sample bag.
  - Label the bag with all pertinent information.
    - Fire Mountain Farms
    - Unit/ Field ID
    - Sample depth (i.e. 0-12, 12-24,0-24)
- Fill out a soil sample request form
  - Soil will be tested for
    - Nitrate-N (0-12")
    - Ammoniacal-N (0-12")
    - Nitrate-N (12-24")
    - Nitrate-N (24-36")
    - Soil Organic Matter (0-12")
- Keep bags cool and out of the sun
  - If sample hold time is less than 3 days keep chilled and deliver to laboratory for analysis.
  - If Sample hold time is expected to be Greater than 3 Days
    - Sample should be frozen or dried to halt microbial processes
- Results will be provided to DOE.