

## Steps To Grow Russet Norkotah For Seed.

- 1) Plant early and kill early!
  - Plant May 1<sup>st</sup>-5<sup>th</sup>, kill July 29<sup>th</sup>-Aug 5<sup>th</sup>.
  - Crop must be managed to allow early BRR inspection-MATURITY!
  - Observe spacing requirements – closer spacing means a larger set and more seed. Don't over fertilize.
  - With proper management, plan on killing 85-87 days after planting (typical BRR expression in Norkotah the last 3-5 years).
  - Consult with certification and plant pathologist about disease (BRR) expression each season.
  
- 2) Isolate
  - As much as possible, isolate Norkotah within your farm from inoculum.
  
- 3) Border Crop
  - Sacrifice outer 10 rows, don't use as seed. Aphids often land in the perimeter of the field first.
  - Plant trap crop on perimeter- use insecticides throughout the season.
  - Use insecticides on perimeter and corners of potato fields.
  
- 4) Manage lot to allow for optimal inspecting/roguing conditions.
  - Over fertilization can temporarily mask mosaic expression.
  - You **need to know** the PVY levels in the lot, not cover them up!
  - Your roguers must be **able to see** PVY symptoms to rogue effectively.
  
- 5) Strategic Roguing
  - Rogue early, as soon as symptoms express, June 15<sup>th</sup>?
  - Rogue often, cultivars like Russet Norkotah do not express at the same time. Your crew will need to pass through the lot 2-3 times during the season to really clean up.
  - Have certification do a 1<sup>st</sup> inspection as soon as possible. You need to know what you're up against.
  - Rogue small manageable lots, less than 10 acres, less than 2%.
  - Heavily rogue G2 lots.
  - Later in the season, rogue plants adjacent to visually infected mosaic plants.
  - Have best roguers spray paint infected plants and not waste their time digging.
  - Know your roguing ability. Is your crew able to rogue out 1%, 2%?
  - Rogue with your crew to obtain an idea of the extent of the mosaic.
  - Ask certification for help in training your crew.
  
- 6) Use an effective systemic insecticide along with well timed appropriate follow up sprays throughout the season.

- 7) Effective, fast, vine kill.
  - Roll the vines, do not beat.
  - Apply acid twice or vine desiccant and acid, on early generations if necessary to **totally kill** vines.
- 8) Take a good **representative** PHT sample! Accurate information is critical!
  - Consider taking a grid sample or replicating small lots.
  - Flush lots with high PHT mosaic levels out of your system.
- 9) Plan on G4 being the last year for seed sales. G5 for table stock.
- 10) Work with your customers on accepting other russet varieties.
- 11) Do as many of these steps as possible, but still plan on having potential problems with this variety.