



# Protecting Seed Potatoes From Unintended Herbicides

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[WWW.AG.NDSU.EDU/POTATOEXTENSION](http://WWW.AG.NDSU.EDU/POTATOEXTENSION)



# THIS IS GOOD!!!



# THIS IS BAD!!!



# THIS IS UGLY!!!



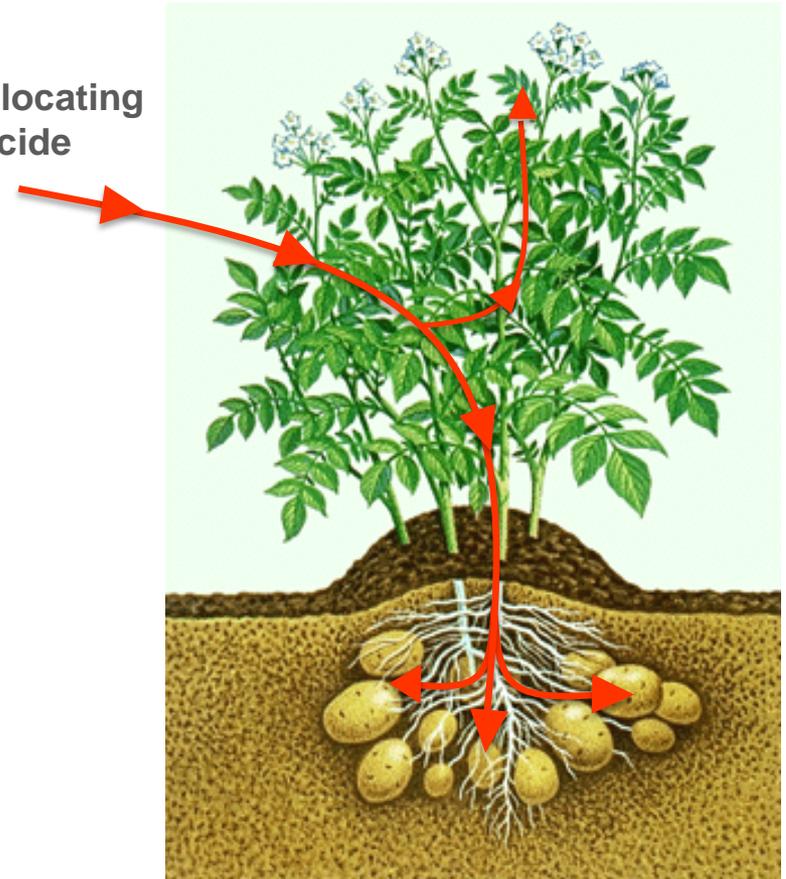


**MORE UGLY!**

# HERBICIDE MOVEMENT

- **Herbicides that translocation will move to tubers and residues can accumulate in the eyes causing sprouting problems the next year.**

Translocating  
Herbicide



# EXPOSURE TO HERBICIDES

- Contact to herbicides can be from
  - Soil carryover
  - Drift
  - Volatilization
  - Inversions
  - Tank contamination
  - Spot spraying
  - Contaminated water

# WHERE ARE HERBICIDES SPRAYED?

- Everywhere!!!
  - Neighboring fields
  - Prevented planted acreage
  - CRP land
  - Roadsides
  - Railroads
  - Lawns

# IDEAS TO PROTECT SEED POTATOES

- Talk with neighbors
- Dedicate a sprayer for potatoes – using only potato friendly herbicides
- Plant borders around fields
- Train employees about herbicide problems
- Walk field edges

# HERBICIDE DAMAGE SUSPECTED

- Document injury symptoms and patterns
- Contact applicator
- Take pictures
- Send leaf tissue and tuber samples to lab
- Count damaged plants to determine the extent of injury
- Map areas of the field damaged
- MN: file complaint within 45 days of suspected incident; ND file within 28 days.
- Contact me at 701.219.9646 if you need assistance

# UPDATES

- NDSU Potato ListServ
  - Blightline
  - Aphid Alert
  - Other important information
- Website [www.ag.ndsu.edu/potatoextension](http://www.ag.ndsu.edu/potatoextension)
- Social media outlets



# Thank you

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