

Are hybrid potatoes in your future?

Shelley Jansky and Paul Bethke, USDA-ARS, Madison, WI



Where we are today

Breeding system Unpredictable offspring
 Long odds for improvement

Seed system Slow increase
 Disease accumulation



What we can change

Simplify the genetic system
Discard genetic baggage
Stack the genetic deck in our favor
Create uniform hybrids from true seed



Potential outcomes

Breeding system Targeted improvements
 Non-GMO

Seed system Faster increase
 Reduction in disease



Long-term goals

Adapt to climate change
Reduce financial risk
Promote environmental sustainability

