

It takes some kind of impact force to cause most types of bruising. The bigger the potato and the larger the drop – the more bruising that results

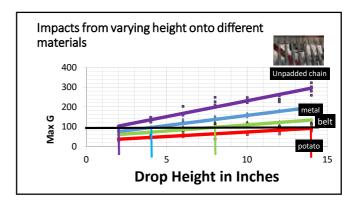




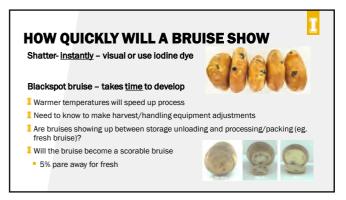


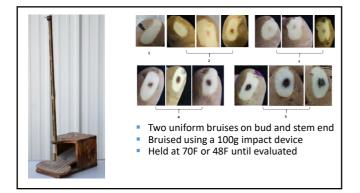


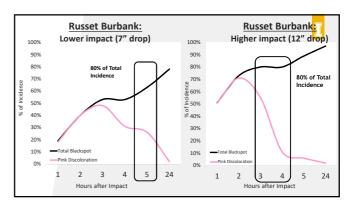


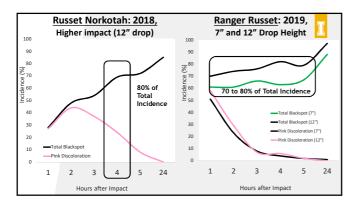


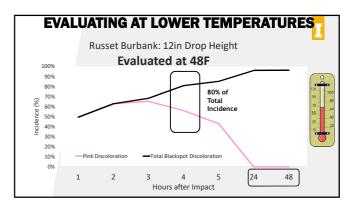


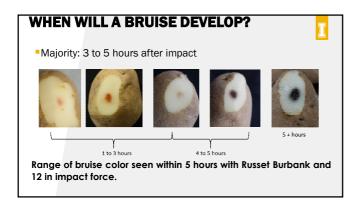


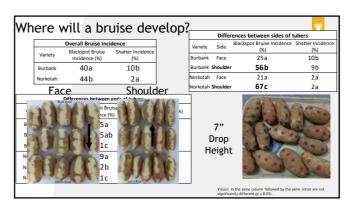


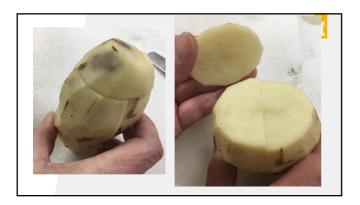


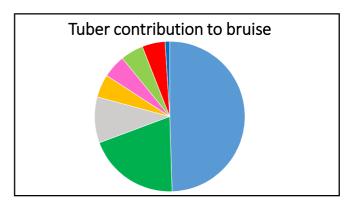


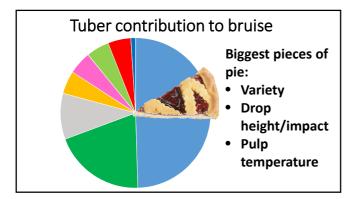




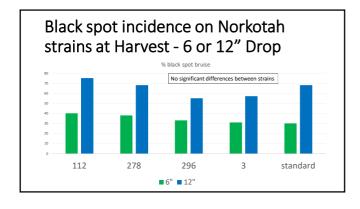


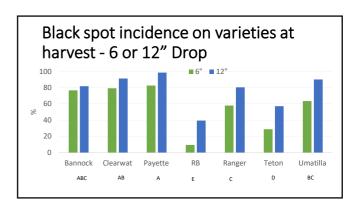


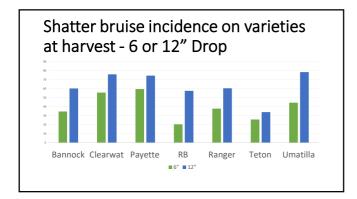


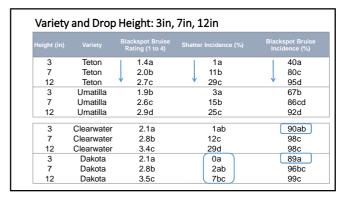












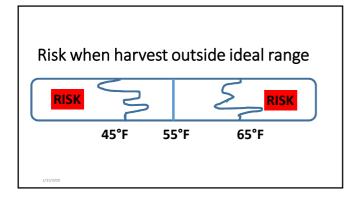
## Variety and impact

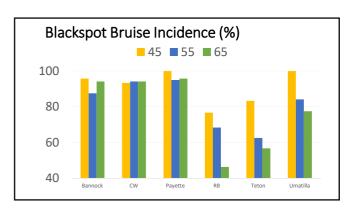
- •Depending upon variety and force can alter
  - •Shatter bruise up to 30%
  - •Blackspot bruise up to 45%

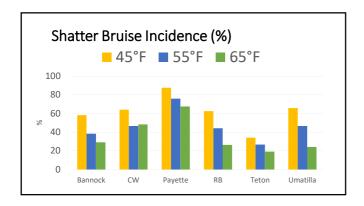


## Temperature and variety





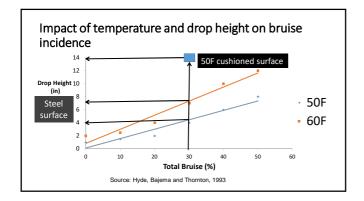


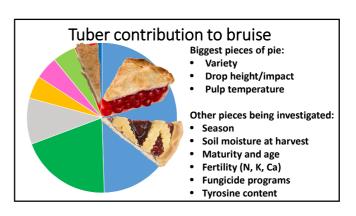


## Variety and temperature

- Depending upon variety can alter
  - •Shatter bruise up to 40%
  - •Blackspot bruise up to 30%







Influence of Post-Vine-Kill Irrigation on Blackspot Bruise

Irrigation treatment Blackspot Bruise (%)

No irrigation 46
4 days before harvest 24
8 days before harvest 10
Continuously >65% ASM 11

1. Soil moisture at 50% at vine kill. 3 weeks until harvest
2. No effect of irrigation if soil moisture kept at 65% or above after vine kill.

Source: Stark, 1987

Soil moisture from vine kill to harvest (Russet Burbank; 3 weeks)							
2018	% Blackspot	Blackspot depth (mm)	% Shatter	2019	% Blackspot	Blackspot depth (mm)	% Shatter
No irrigation	53	2.8	31	No irrigation	100	5.7	24
Irrigated to ~75% ASM	58	3.0	40	Irrigated to ~75% ASM	100	5.7	21
Irrigated 1 week prior to harvest	62	3.2	30	Irrigated 1 week prior to harvest	100	5.6	19

