

Table 4. Effect of Soil Moisture, based on 65% available soil moisture, on Potato Tubers

Tuber Characteristic	> 80% Field Capacity	< 50% Field Capacity
Early-Season (Tuber Initiation to Three Weeks Later) Soil Moisture		
Total Yield	Increase?	Decrease
U.S. No. 1 Yield	Increase?	Decrease
>10 oz. Yield	No Effect	Decrease
Specific Gravity	No Effect	Decrease
Hollow Heart	Increase	Decrease
Brown Center	Increase	Decrease
Translucent End	No Effect	Increase
Tuber Number per Plant	No Effect	Decrease
Misshapen Tubers	No Effect	Increase
Common Scab	Decrease	Increase
Late-Season (mid Tuber Bulking to Harvest) Soil Moisture		
Total Yield	No Effect	No Effect
U. S. NO. 1 Yield	No Effect	No Effect
>10 oz. Yield	No Effect	Decrease?
Specific Gravity	No Effect	No Effect
Brown Center	No Effect	No Effect
Hollow Heart	No Effect	No Effect
Translucent End	Decrease	Increase
Blackspot Bruise (IBS)	Decrease	Increase
Shatter Bruise	Increase	Decrease
Water/Soft Rots	Increase	Decrease