

Table 1. Dates and potato growing practices performed for four different production methods.

Date	Bare Soil, Conventional	Leaf Mulch, Organic	Black Plastic/Leaf Mulch, Organic	Bare Soil, Organic
4/24	800 lb/a of 15-0-15, 120 lb N/a, Pre plant, disk in	9,600 lb/a solid poultry manure (without litter), tested 1.27% total N, ~120 lb N/a, Pre-plant, disk in		
4/24			Lay plastic mulch	
4/25	Planting, 36-in rows by 9-in row spacing		Note: double row on plastic	
4/25	Platinum 8 oz./a + Ridomil Gold 42 fl. oz/1,000 row ft. sprayed over seed-pieces at covering			
5/01	Prowl 2 pt/A + Metribuzin 75DF 5.7 oz./A			
5/07	No emergence breaking	Drag-off with spike tooth harrow No emergence breaking	Emergence breaking under plastic mulch	Drag-off with spike tooth harrow No emergence breaking
5/15	217 lb/a of 46-0-0 Urea, 100 lb N/a, cultivate in, Emergence breaking under bare soils	Cultivate, drag-off, hill Spread Leaf mulch	Cultivate row middles	Cultivate and drag-off
5/22				Cultivate
5/28			Cultivate, Spread leaf mulch	
5/30		Spread Leaf mulch		
6/02				Cultivate
6/05		Entrust 3 oz./A plus PyGanic 5.0 EC 1 pt./A		
6/09	Hill cultivation, Applied Metribuzin 75DF @ 5.7 oz./a + Dual Magnum @ 1.6 pts./a			Hill cultivation
6/12		Entrust 3 oz./A plus PyGanic 5.0 EC 1 pt./A		
6/16	Foliar spray of Provado 1.6 @ 3.75 oz./a			
6/17	Set up drip irrigation. Run as needed for the season, ~7 times, numerous insect hole repairs			
6/17		Spread addl. Leaf mulch + Hand weeded		Cultivate, Hand weeded
6/19		PyGanic 5.0 EC 1 pt./A		
6/25		Entrust 3 oz./A plus PyGanic 5.0 EC 1 pt./A		
7/1		PyGanic 5.0 EC 1 pt./A, Hand weeded		
7/10		PyGanic 5.0 EC 1 pt./A, Hand weeded		
7/11				Hand weeded
7/16		PyGanic 5.0 EC 1 pt./A, Hand weeded		
7/24	Foliar spray Baythroid @ 6 fl. oz./A + SpinTor @ 6 fl. oz./A			
8/06				Harvested Washed Graded
8/27-28	Harvested Washed Graded			