

## Summary of Potato Project 2006

U of MD and Honeywell Cooperating  
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1. Influence of continuous notill and minimum tillage(w/zone tillage before corn planting)  
 Tillage before planting potatoes. Conventional Tillage with chisel plowing and discing as necessary.

Continuous notill strips. **Average Potato yield in lbs/acre 35,310**

Continuous minimum tilled strips. **Average Potato yield in lbs/acre 35,252**

### 2. Fertility Treatments

Potato Yields Following Continuous Treatments	Yield in lbs/acre			
	---- Notill ---		-- Minimum Till --	
	Lbs/a	Percent Grade Number 1 and 2	Lbs/a	Percent Grade Number 1 and 2
1. 54 lbs N/a, no ams	31,032	grade 1 – 50 % grade 2 – 50 %	32,065	grade 1 – 51 % grade 2 – 49 %
2. N from 34-0-0 & Calcium Nitrate 180 lbs N/a.	37,946	grade 1 - 69 % grade 2 – 31 %	38,132	grade 1 – 72 % grade 2 – 28 %
3. N from AMS, 34-0-0 & Calcium Nitrate. AMS applied 2 times. 180 lbs N/a	33,807	grade 1 – 86 % grade 2 – 14 %	34,510	grade 1 – 74 % grade 2 – 26 %
4. N from AMS, 34-0-0 & Calcium Nitrate. AMS applied 3 times 180 lbs N/a	38,454	grade 1 – 83 % grade 2 – 17%	36,300	grade 1 – 69 % grade 2 – 31 %
	Ave of 3 & 4 w/ AMS - 36,131		35,405	
	Ave of 2 w/ no AMS – 37,946		38,132	