

## Anwendungsbericht/User Application Report

**Produkt/Product:**

penergetic k  
penergetic p

**Fachberater/Consultant:**

Solutions Penergetic  
Eric Schaffner/Canada

**Anwender/User:**

Various farms  
Quebec/Canada

**Datum/Date:**

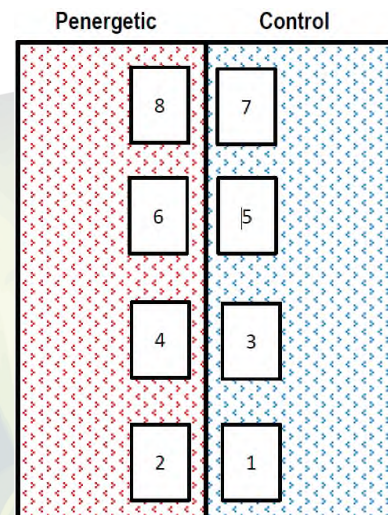
2014

### Application on Potatoes in Canada

Various farms through the Province of Quebec were involved in this trial series. All farms had a control and a test field (the Penergetic field was 8 ha / 20 acres in size). With the exception of adding the Penergetic protocol the Control and the Penergetic treated sections were identical in terms of quality of the land/soil, variety, other inputs, etc. At harvest, using the FCI Canada official testing method of evaluation, potatoes were dug up from four 3 meter (10 feet) length of a sample row from both the Control and Penergetic field areas. This data was then used to calibrate the yield per acre in terms of hundred weight (cwt) -- which is 100 pounds of potatoes. The results are summarized in the table below; whereas, the following pages provide more farm specific details.

#### Methodology

- Even horizon for Control/Penergetic
- Even number of plants, on 10 linear feet
- Each sample is weighed individually
- Official Method for FCI Canada



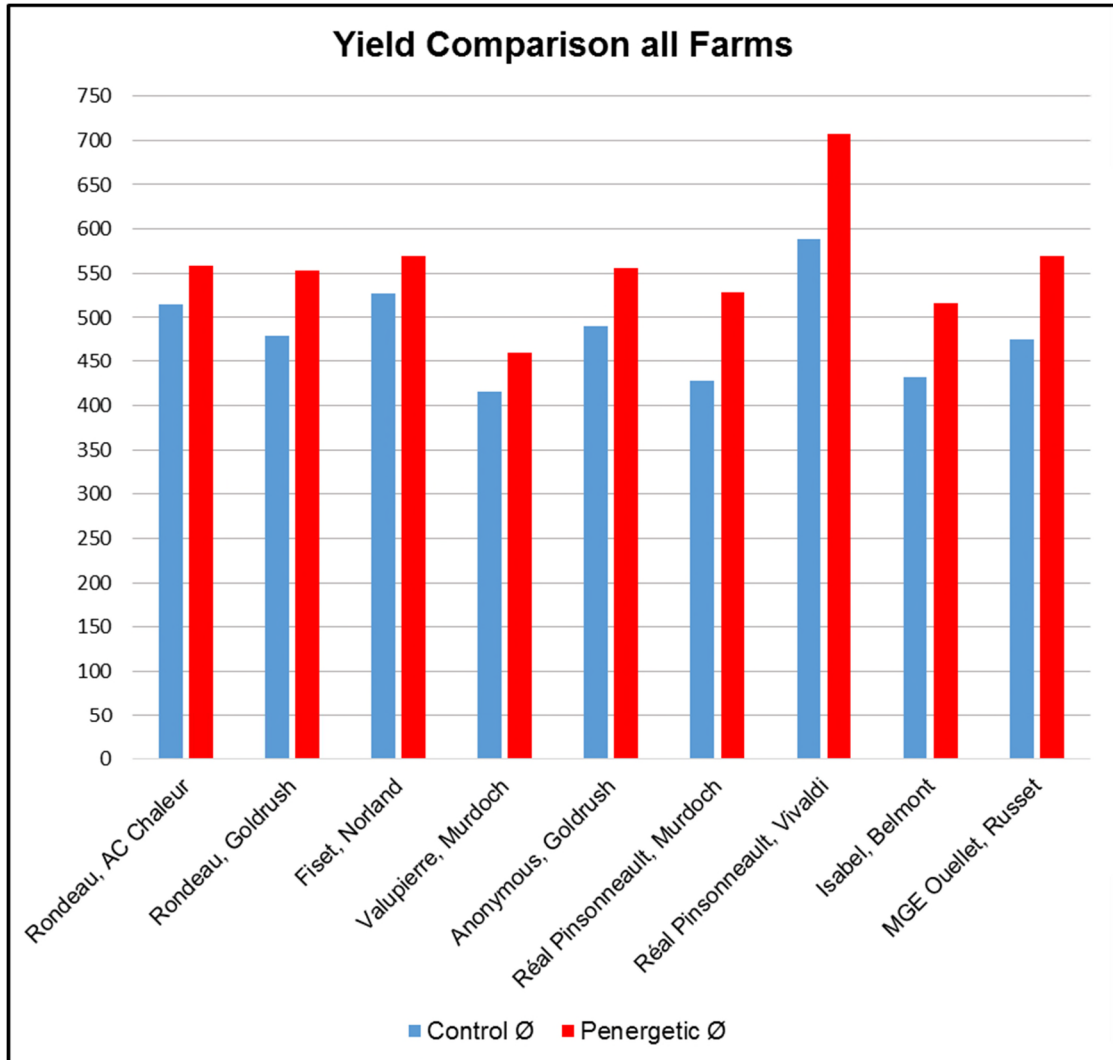
## Treatments

Penergetic	Soil treatment	Seed treatment	Foliar application	Remarks
	Acre/ha	Acre/ha	Acre/ha	
penergetic k	<b>300g/750g</b>			Soil treatment can be mixed with herbicide, NOP or other products. <b>Apply 15 days before seeding. Can be applied in Autumn</b>
penergetic p		<b>100g/250g in the furrow</b>		Can be used with other products on seed. <b>Inoculate 100g/ac. (250g/ha) in the furrow</b>
penergetic p	<b>at first leaves</b>		<b>100g/250g</b>	Can be mixed with NPK, foliar fertilizer or farm chemicals. <b>Reduce fertilizer use by 20%</b>
penergetic p	<b>at beginning of flowering</b>		<b>100g/250g</b>	Can be mixed with NPK, foliar fertilizer or farm chemicals. <b>Reduce fertilizer use by 20%</b>

## Results in yield

Farm	Location	Potato Variety	cwt/ac difference	% difference to Control
Rondeau	Lanoraie	AC Chaleur	+44	+9%
Rondeau	Lanoraie	Goldrush	+73	+16%
Fiset	Lyster	Norland	+43	+8%
Valupierre	Ile d'Orléan	Murdoch	+46	+11%
Anonymous	Ste-Eulalie	Goldrush	+66	+14%
Réal Pinsonneault & fils	Napierville	Murdoch	+100	+23%
Réal Pinsonneault & fils	Napierville	Vivaldi	+119	+22%
Isabel	Napierville	Belmont	+84	+20%
MGE Ouellet	Rivière du Loup	Russet	+94	+21%
<b>Average</b>			<b>+74.33</b>	<b>+16%</b>

Average yield comparison



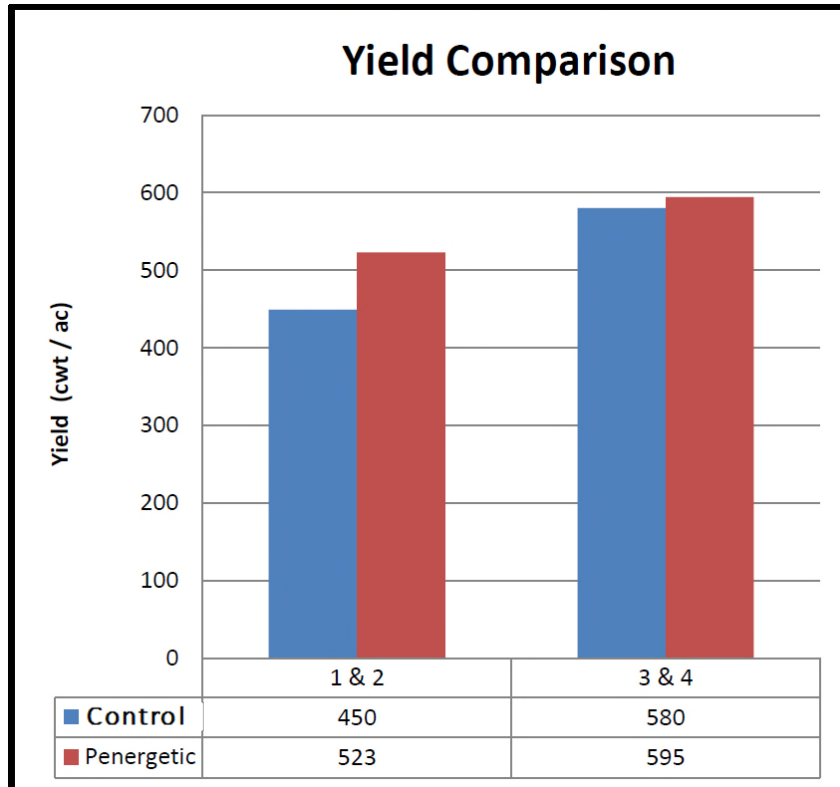
For this comparison the average of the samplings of each Control and Penergetic fields per farm was taken.



## Results and photos of the fields

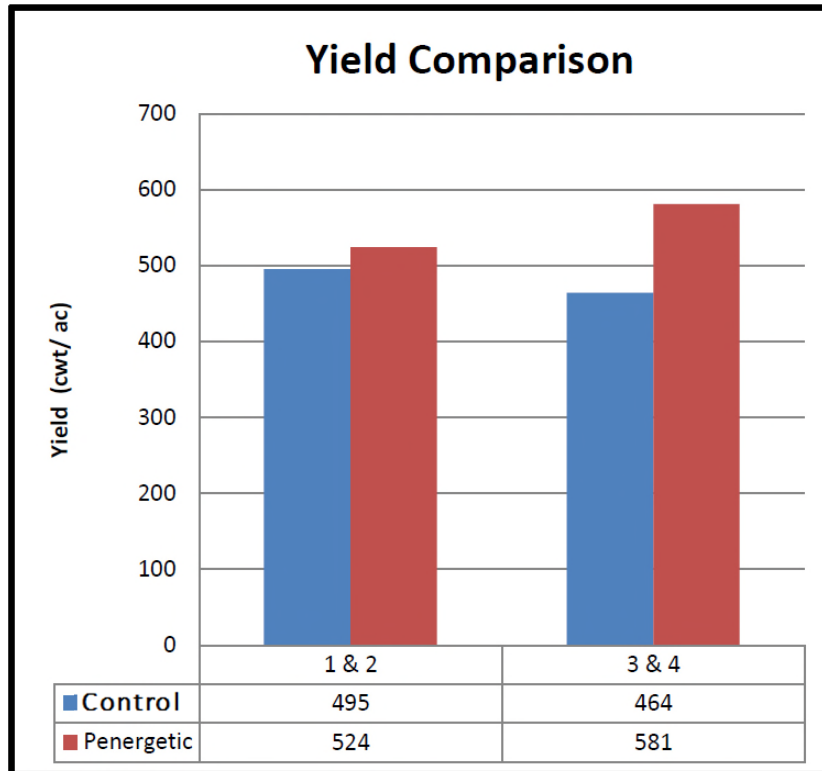
All the photos are from Penergetic fields.

### 1 Ferme Rondeau, Variety AC Chaleur

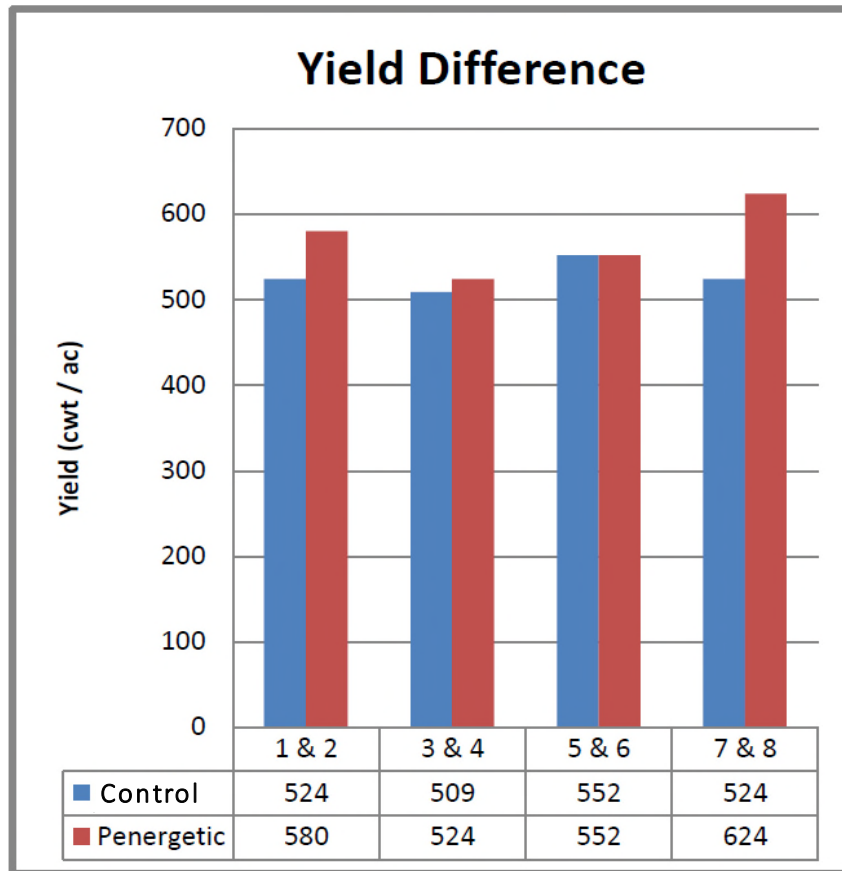




2 Ferme Rondeau, Variety Goldrush

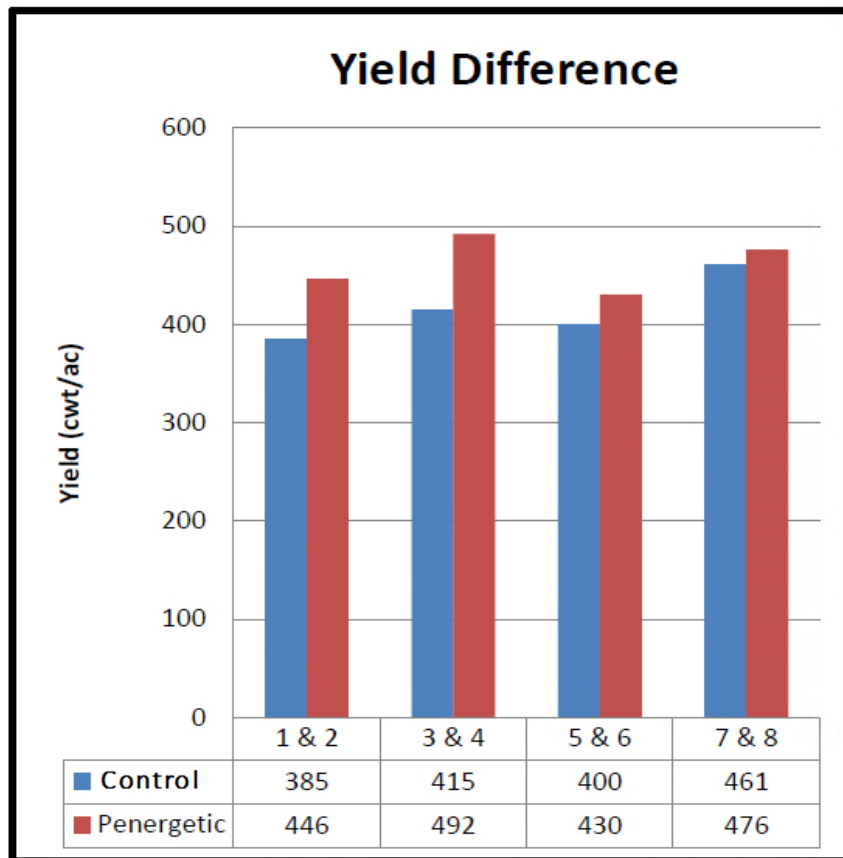


3 Ferme Fiset, Variety Norland

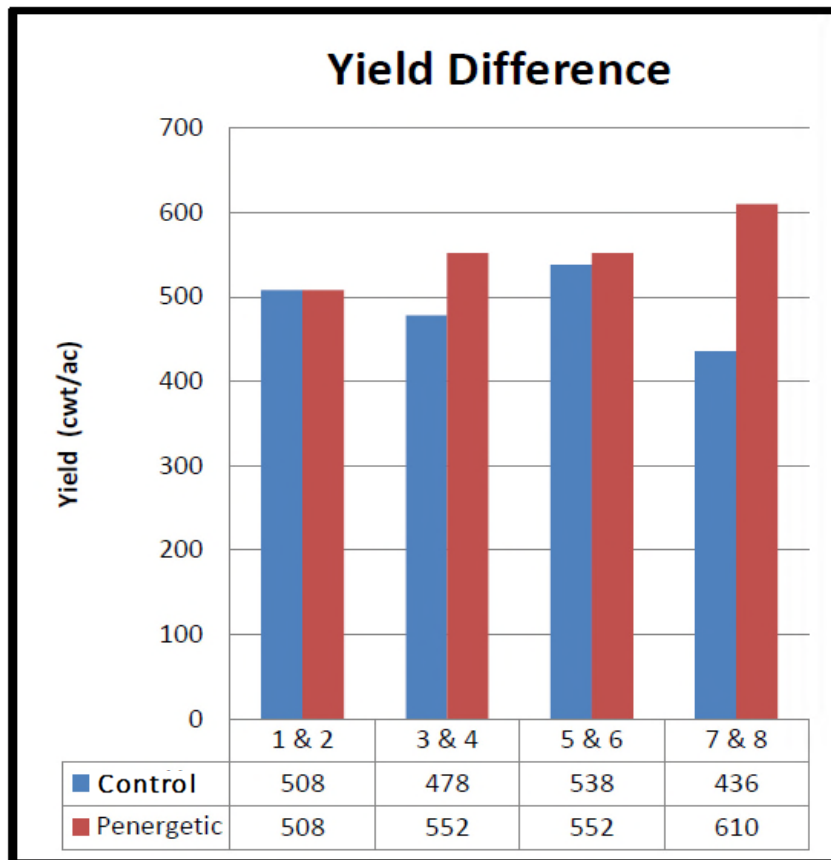




4 Ferme Valupierre, Variety Murdoch



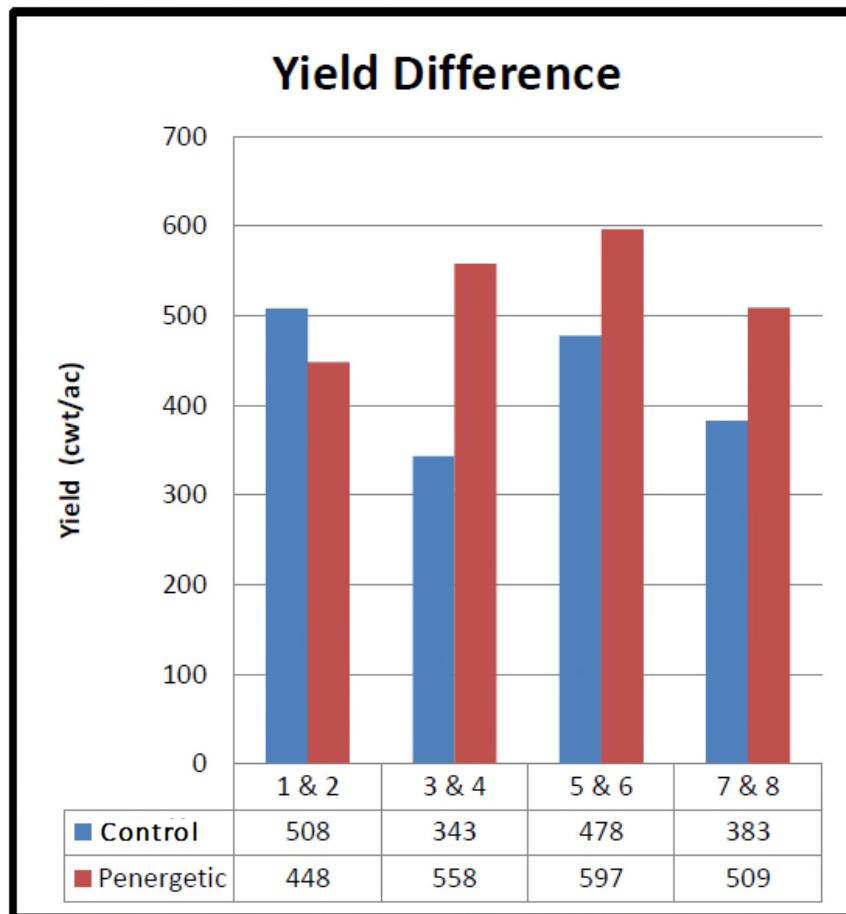
5 Ferme anonyme, Variety Goldrush



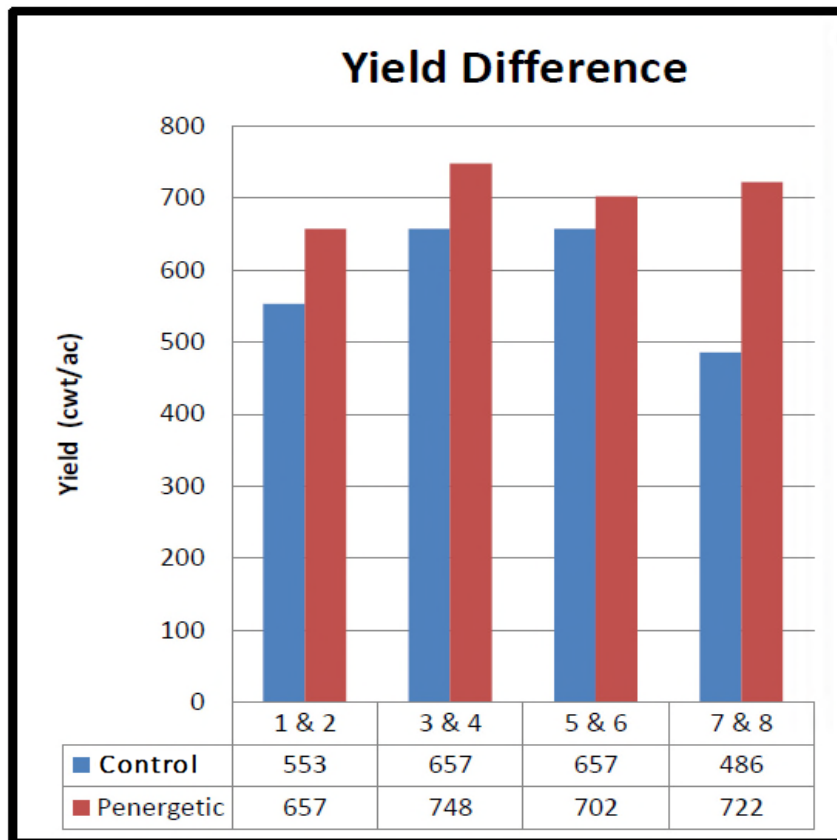
Mr. Denis Dutil, expert in potatoes for over 50 years



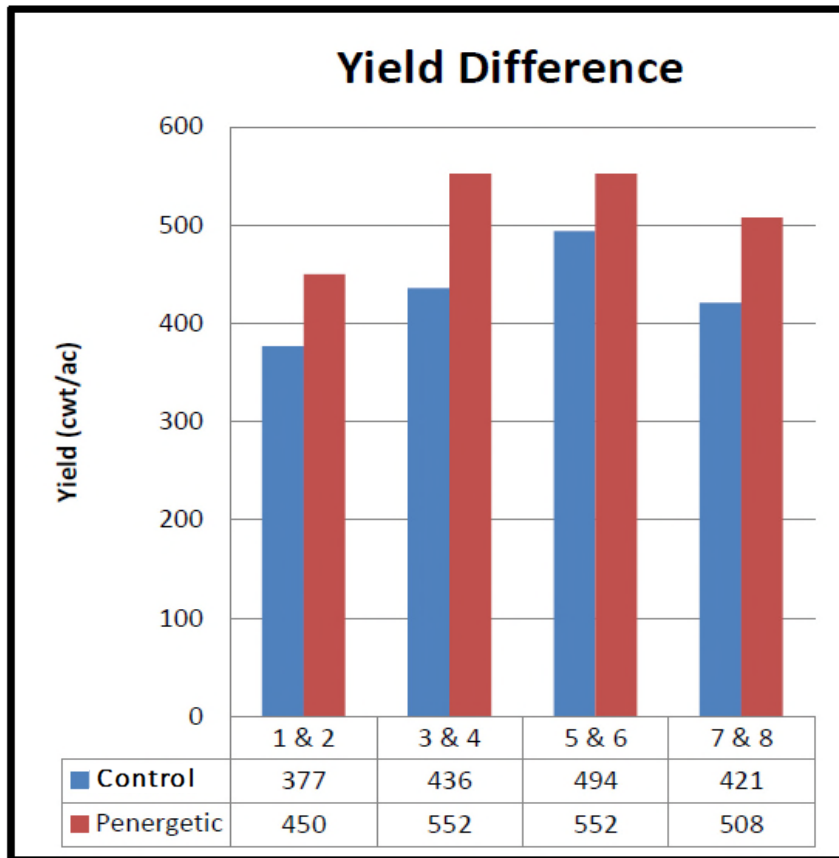
6 Ferme Réal Pinsonneault & fils, Variety Murdoch



7 Ferme Réal Pinsonneault & fils, Variety Vivaldi

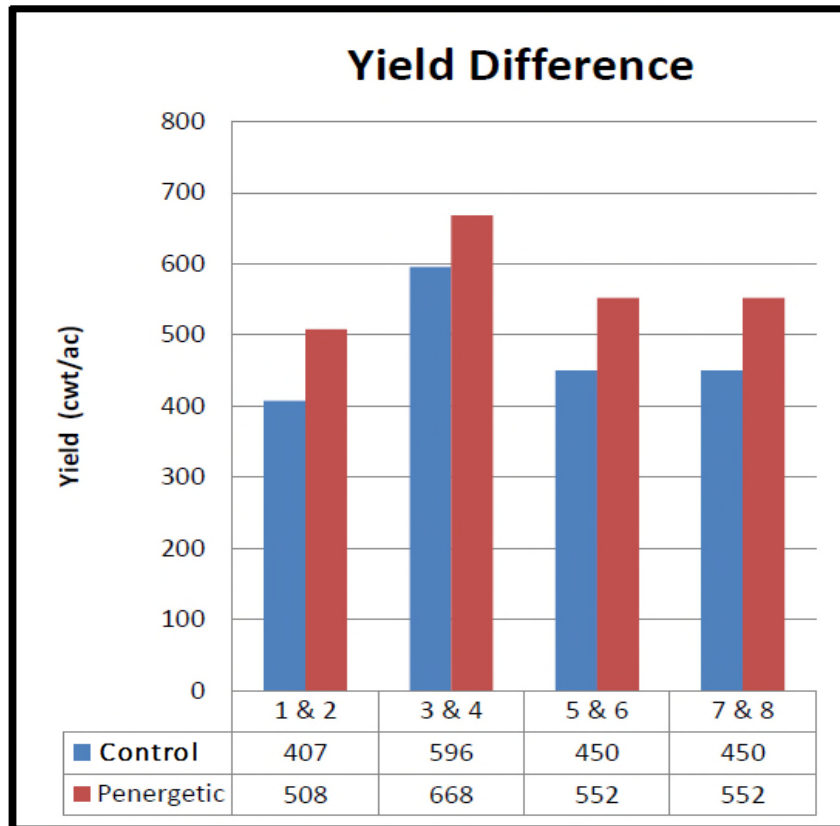


8 Ferme Isabel, Variety Belmont





9 Ferme MGE Ouellet, Variety Russet



General note: Best results have been achieved with all kind of late potatoes, for penergetic has more time to work well.

