

**Table 12b: On-farm demonstration trials - growth observations<sup>1</sup>**

<b>Grower (crop)</b> <i>Treatment</i>	<b>Observation Dates</b>	<b>Treatment</b>	<b>Grower Standard</b>
<b>FL1 (blueberry)</b>	Spring2013 (6/1/2013)	Big fruit set; no differences observed; no differences observed between the two treatments.	Big fruit set; no differences observed; no differences observed between the two treatments.
<i>Limed to raise pH (3.2)</i>	Harvest 2013 (7/20/2013)	Too much fruit; limbs touching ground, needed bracing; no differences observed between the two treatments.	Too much fruit; limbs touching ground, needed bracing; no differences observed between the two treatments.
	Fall 2013 (10/1/2013)	No differences observed between the two treatments.	No differences observed between the two treatments.
<b>FL2 (blueberry)</b>	Spring2013 (6/14/13)	Fruit set looks good; new shoots 1-2 feet	Fruit set looks good; dark leaves
<i>Compost addition</i>	Harvest 2013 (8/2/13)	New shoot growth even and vigorous; deep green leaves	Upper leaves showing some lighter green/dark red coloring; strong shoot growth
	Fall 2013 (11/2/13)	Many new shoots; even fruit branch growth; great bud set for next year	Seems to be more new shoots (maybe more sun?); great bud set.
<b>LOF 1 (blueberry)</b>	Spring2013	--	--
<i>Sulfur to lower pH (5.1)</i>	Harvest 2013	--	--
	Fall 2013	--	--
<b>WNY1 (blueberry)</b>	Spring2013	--	--
<i>Sulfur to lower pH (5.3)</i>	Harvest 2013	--	--
	Fall 2013	Suckers 56", 48", 32" Canes 32", 19", 22", 32"	Suckers 36", 41", 36", 35", 37" Canes 19", 35", 35", 18"
<b>WNY2 (blueberry)</b>	Spring2013	--	--
<i>Sulfur to lower pH (4.7)</i>	Harvest 2013	--	--
	Fall 2013 (9/19/13)	Shoot length of canes 5", 5", 5", 10", 8" row 1 10", 12", 10", 8", 24" row 2 10", 12", 13", 9", 13" row 3	Shoot length of canes 14", 15", 7", 8" row 1 30", 15", 18", 13" row 2 16", 10", 9", 7", 13" row 3
<b>WNY3 (raspberry)</b>	Spring2013	--	--
<i>Sulfur to lower pH (7.2)</i>	Harvest 2013	Canes on treatment appear longer; treatment plants overall larger	--
	Fall 2013 (9/9/13)	Shoot length of canes 72", 54", 66", 63" 68", 74", 88" 47", 62", 68"	Shoot length of canes 52", 49" 56", 60", 81" 35", 68", 74"
<b>CT1 (blueberry)</b>	Spring2013	New growth on existing canes	New growth on existing canes
<i>Sulfur to lower pH (5.3)</i>	Harvest 2013	Few new canes 5 total; 4-28 "	Few new canes 4 total; 8-24"
	Fall 2013	--	--

<b>Grower (crop) Treatment</b>	<b>Observation Dates</b>	<b>Treatment</b>	<b>Grower Standard</b>
<b>CT2 (blueberry)</b>	Spring2013	--	--
<i>Wood chips</i>	Harvest 2013	--	--
	Fall 2013	New growth off existing canes 8 – 12”; new canes 4 – 6” long	New growth off existing canes 4 – 12”
<b>ME 1</b>	Spring2013	41.2% fruit set	50.9% fruit set
<i>Custom-blend fertilizer product<sup>2</sup></i>	Harvest 2013	Average length of tips above the berry hooks (stem of fruit) = 4.36 cm or 1.72”. No statistically significant difference with grower standard	Average length of tips above the berry hooks (stem of fruit) = 4.967 cm or 1.95”.
	Fall 2013	--	--

<sup>1</sup>Observations could include: Foliage color differences such as light green vs. dark green, leaves greening up sooner, etc. Difference in growth indicators such as: height of primocane growth for raspberries, new shoot length for blueberry canes, number of runners per plant for strawberries, other.

<sup>2</sup>Test results for all 5 participating cranberry growers fell within satisfactory ranges for all parameters measured and the educator was at a loss as to what he might recommend. One grower was interested in testing a custom-fertilizer blend purported to provide a balance of nutrients that would halt excessive runner growth and basically “feed the fruit” increasing yields.