

Table 1. Yield data for cool season vegetables grown in two different rotations (Year 1: 2010-11, Year 2: 2011-12).

Crop	2010-11 Yield	2011-12 Yield	Average conventional yields*
	(lbs./acre)		
Strawberries	15,121	8,645	27,600
Onions (Rotation 1)	19,281	35,612	23,965
Broccoli	2,765	6,207	10,120
Carrots	9,909	11,628	30,864
Onions (Rotation 2)	24,694	35,378	23,965
Lettuce	11,495	21,860	5,800
Irish Potatoes	8,756	10,981	15,600
Southernpeas		3,607	2,875
Green beans		3,033	5,400

*Values are from the 2009 Georgia Farm Gate Report with strawberry yields from the USDA, 1993.

Table 2: Economic summary analysis of the crop rotation based on year 1 data, Durham Horticulture Farm, Watkinsville, GA, 2011.

Crop	<i>Pre-harvest variable costs (P-HVC)</i>	<i>Total Harv't and Mktg cost (THMC)</i>	<i>Total Variable costs (TVC)</i>	<i>Total Fixed costs (TFC)</i>	Total Costs (TC)	Total Return (TR)	Net Returns (π)*
<i>Broccoli</i>	\$2,895	\$752	\$3,647	\$678	\$4,325	\$2,762	(\$1,563)
<i>Carrot</i>	\$2,191	\$277	\$2,468	\$569.95	\$3,038	\$4,756	\$1,718
<i>Lettuce</i>	\$2,762	\$1,722	\$4,484	\$660	\$5,144	\$12,060	\$6,916
<i>Onion</i>	\$2,587	\$864	\$3,451	\$300	\$3,751	\$19,760	\$16,009
<i>Potato</i>	\$3,643	\$140	\$3,783	\$788	\$4,571	\$6,655	\$2,084
<i>Strawberry</i>	\$6,478	\$1,517	\$7,995	\$1,216	\$9,211	\$14,015	\$4,804
<i>Bush Beans</i>	\$1,942	\$0	\$1,942	\$533	\$2,475	\$0	(\$2,475)

<i>Cowpeas</i>	\$1,879	\$0	\$1,879	\$523	\$2,402	\$0	(\$2,402)
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*The number in parenthesis represents a negative net return per acre.

Table 3: Economic summary analysis of the crop rotation based on year 2 data, Durham Horticulture Farm, Watkinsville, GA, 2012.

Crops	Pre-harvest variable costs (P-HVC)	Total Harvest and marketing (THMC)	Total Variable costs (TVC)	Total Fixed costs (TFC)	Total Costs (TC)	Total Return (TR)	Profit (π)
Broccoli	\$2,895	\$1,612	\$4,507	\$678	\$5,185	\$6,204	\$1,019
Carrot	\$2,191	\$326	\$2,517	\$570	\$3,087	\$5,596	\$2,509
Lettuce	\$2,762	\$3,279	\$6,041	\$660	\$6,701	\$22,971	\$16,270
Onion	\$5,587	\$1,246	\$6,833	\$300	\$7,133	\$28,514	\$21,381
Potato	\$3,643	\$248	\$3,891	\$788	\$4,679	\$7,844	\$3,165
Strawberry	\$6,478	\$936	\$7,414	\$1,216	\$8,630	\$8,647	\$17
Bush Beans	\$2,583	\$468	\$3,051	\$629	\$3,680	\$3,538	(\$142)
Cowpeas	\$2,136	\$510	\$2,646	\$532	\$3,178	\$4,323	\$1,145