



## 2010 Pumpkin Cultivar Observation



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### **METHODS:**

Seeds were planted June 25<sup>th</sup>. Rows were 10' apart with seeds hand planted 3' apart in the row. The field was located in southern Ohio at the Ohio State University South Centers research and demonstration plots. 100 units of N were applied prior to planting. A standard commercial fungicide and insecticide program following OSU Bulletin #672, The Ohio Vegetable Production Guide (<http://ohioline.osu.edu/b672/>), was followed, on a 7-10 day schedule. Irrigation was applied via a high flow drip irrigation system.

### **RESULTS:**

The season was wetter than usual early; with moderate to severe drought conditions experienced the rest of the season. These conditions resulted in a later-than-normal planting date, and required frequent irrigation throughout the growing season. The overall heat units were accelerated with higher-than-normal temperatures throughout the season, resulting in a quicker-than-normal maturing crop. Overall fruit yield was good, and overall fruit size was reduced for this crop.

Cultivars listed in Table 1 are ranked according to average fruit size. These pumpkins are mini, pie-type pumpkins and one specialty type. The average fruit weight ranged from .29 lb. – 4.87 lbs. Munchkin was the mini pumpkin that produced the largest amount of marketable tons per acre (3.17 ton), with Speckled Hound (specialty type) yielding 10 ton per acre.

Cultivars listed in Table 2 are ranked according to average fruit size. The top 5 varieties in terms of average fruit size were: Mustang (27 lb/fruit), Conestoga Giant (27 lb/fruit), Challenger (23 lb /fruit), Gold Medal (22 lb/fruit) and Phatso II (22 lb/fruit).

This year we evaluated four specialty type pumpkins. They were Speckled Hound, a multi colored fruit; Black Night, a dark green to black fruit; Flat White Borer, a white flat shaped fruit, and Marina Di Chiogga, which looks similar to a Turks Turban with green wart covered fruit.

**Table 1: Small and Mini Pumpkin Cultivars results 2010.**

<b>Cultivar</b>	<b>Marketable lbs per Acre</b>	<b>Marketable Tons per Acre</b>	<b>Marketable Fruit per Acre</b>	<b>Average Fruit Weight (lbs.)</b>
Gold Speck	6358	3.17	21304	.29
Munchkin	6971	3.48	18913	.36
Gold Dust	6004	3.00	16695	.43
Little Guy	6982	3.49	10434	.66
Lil Ironside	8845	4.42	6304	1.4
Rockefeller	11126	5.56	6086	1.82
Pik A Pie	11295	5.64	3695	3.05
Prankster	11502	5.75	3695	3.11
Field Trip	9021	4.51	2608	3.45
Cannon Ball	9615	4.80	2391	4.00
Speckled Hound	21208	10.60	4347	4.87

**Table 2: Pumpkin Cultivar results 2010.**

<b>Cultivar</b>	<b>Marketable lbs per Acre</b>	<b>Marketable Tons per Acre</b>	<b>Marketable Fruit per Acre</b>	<b>Average Fruit Weight (lbs.)</b>
Black Night	20297	10.14	2826	7.18
Marina Di Chiogga	17117	8.55	1956	8.74
Magician	19021	9.51	1739	10.93
Magic Wand	26560	13.28	2391	11.10
Spartan	33623	16.81	2608	12.88
HRS 4718	34752	17.37	2608	13.32
Warlock	14654	7.32	1086	13.48
Gladiator	18480	9.24	1304	14.16
Flat White Borer	32526	16.26	2173	14.96
Magic Lantern	31471	15.73	1956	16.08
Aladdin	23582	11.79	13.04	18.08
Camaro	36228	18.11	1956	18.51
Gold Challenger	8754	4.37	434	20.13
Solid Gold	18643	9.32	869	21.44
Phatso Jr	14189	7.09	652	21.75
Phatso II	38513	19.25	1739	22.14
Gold Metal	34530	17.26	1521	22.69
Challenger	35146	17.57	1521	23.29
Conestoga Giant	17976	8.98	652	27.56
Mustang	36426	18.21	1304	27.92