

2004 Cabbage Variety Trial for Southern Illinois

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A cabbage variety trial was conducted in White County, Illinois in cooperation with the *Pat Scates Farm*, Shawneetown, Illinois. Nine different cabbage cultivars were included in the project with one cultivar being a red cabbage. Seed was germinated in mid to late February and transplants were grown on in the greenhouse at the Dixon Springs Agricultural Center. Transplants were field set on March 25, 2004. The trial was set out in a randomized block with three replications per cultivar. Each plot contained 12 plants but in order to limit edging effects, only the middle 10 plants were harvested from each plot. The transplants were set with an in-row spacing of 8 inches and 33 inches between rows. This trial was located inside a large, commercial production cabbage field and received the same water, fertilizer, and pesticide applications as the rest of the field. Cabbage was harvested on June 4, 2004 and again 7 days later, on June 11, 2004. Table 1 shows yield data collected during both harvest dates out of a possible 30 heads per cultivar. The cultivars are listed in descending order of largest total average weight per head of cabbage. Observations noted on each variety are listed in Table 2.

Table 1. Yield data from 2004 cabbage variety trial.

Cultivar	6/4/04 Heads Picked	6/4/04 Head Wt.	6/4/04 Ave. Wt/Head	6/11/04 Heads Picked	6/11/04 Head Wt.	6/11/04 Ave. Wt/Head	Total Wt.	Total Ave. Wt/Head
	<i>(no.)</i>	<i>(lbs)</i>	<i>(lbs)</i>	<i>(no.)</i>	<i>(lbs)</i>	<i>(lbs)</i>	<i>(lbs)</i>	<i>(lbs)</i>
Artost	22	74.7	3.4	6	18.5	3.1	93.2	3.3
Golden Dynasty	19	60.7	3.2	7	21.2	3.0	81.9	3.2
Platinum Dynasty	17	52.9	3.1	10	31.3	3.1	84.2	3.1
Atlantis	17	52.5	3.1	9	24.6	2.7	77.1	3.0
Bronco	0	0	0	23	66.4	2.9	66.4	2.9
Early Thunder	12	33.8	2.8	16	44.6	2.8	78.4	2.8
2556	0	0	0	24	63.1	2.6	63.1	2.6
Rotonda	0	0	0	22	52.9	2.4	52.9	2.4
Ruby Dynasty*	3	9.5	3.2	24	55.7	2.3	65.2	2.4

* Red cabbage

Table 2. Observations noted on June 4, 2004 for each cultivar in the trial.

Cultivar	Observations noted
Artost	Really early, very uniform, small wrapper leaves that open up, fair color
Atlantis	Light color, firm, good disease package
Bronco	Later season, firm, good plant, good color, fairly uniform
Early Thunder	Good color, nice multiple wrapper leaves, very firm
Golden Dynasty	Uniform, few wrapper leaves, too light in color, brittle plant
Platinum Dynasty	Uniform, decent wrapper leaves, a two-cut cabbage
Rotonda	Later season, nice color, puffy head
Ruby Dynasty	Early, nice plant, good color, 6-8 days earlier than Red Dynasty, firm
2556	Later season, good color, good plant

We wish to express our appreciation for the cooperation of the *Pat Scates Farm* and Donnie Ahrens in this trial and thank the seed companies for their donations.