

2012 PENNSYLVANIA SOYBEAN YIELD CONTEST



PENN STATE
CMEG Crop Management
Extension Group

Supported and directed by the PA Soybean Board

PrePAred by: Del Voight – Senior Extension Agent – Penn State Extension

Rank of Contest Entries – Southeast Tier

RANK	GROWER	ADDRESS	BU/A	COUNTY	BRAND	CULTIVAR
1	Herman Manbeck	520 School Rd. Womelsdorf, PA 19567	97.06	Berks	Pioneer	93Y84
2	Ken Mase	500 Horseshoe Pike Lebanon, PA 17042	95.72	Lebanon	Asgrow	3832
3	James E. Hershey	338 Sunnyburn Rd. Elizabethtown, PA	94.93	Lancaster	Asgrow	3931
4	Charles Farms Inc.	2927 Charlestown Rd. Lancaster, PA 17603	94.88	Lancaster	Pioneer	93M11
5	Merle Stoltzfus	93A Fairview Rd. Lititz, PA 17543	94.54	Lancaster	Hubner	34-11
6	Matt Kehr	47 Fish and Game Rd. Littlestown, PA 17340	89.23	Adams	Mycogen	5n385R2
7	Bob Buser	34 Buser Farm Lane York, PA 17406	88.75	York	Pioneer	93Y13
8	Darren Grumbine	1725 Mt Pleasant Rd. Lebanon, PA 17042	88.56	Lebanon	Pioneer	93M11
9	Kristen Grumbine	1725 Mt Pleasant Rd. Lebanon, PA 17042	86.92	Lebanon	Pioneer	93M11
10	John Groft	450 Prospect Rd. Mount Joy, PA 17552	86.60	Lancaster	Hubner	3412
11	Sam Conley	525 Prospect Rd. Mount Joy, PA 17552	85.08	Lancaster	Hubner	3412
12	Leslie Bowman	1153 Swamp Fox Rd. Chambersburg, PA 17202	84.35	Franklin	Pioneer	93Y91
13	A.Dale Herr	P.O Box 82 Kirkwood, PA 17536	84.31	Lancaster	Pioneer	93M11
14	Wayne Wanner	15011 Kutztown Rd. Kutztown, PA 19530	83.04	Berks	Pioneer	n/a
15	Roger Burkholder	1574 Eryldeen Ln. Waynesboro, PA 17268	82.39	Franklin	TA Seeds	TS 3989 RS
16	Steve Mellott	6890 Renninger Rd. Mercersburg, PA 17236	82.03	Franklin	Channel	3303R2
17	Richard C Krieder	1603 Prescott Rd. Lebanon, PA 17042	81.89	Lebanon	Pioneer	93Y84
18	Stanley Burkholder	3099 Grand Point Rd. Chambersburg, PA 17202	81.42	Franklin	Pioneer	93Y91

19	Dwight Zook	144A Covered Bridge Rd. Oley, PA 19547	81.02	Berks	Pioneer	93Y91
20	Jeff Graybill	367 Doe Run Rd. Manheim, PA 17545	80.97	Lancaster	FS HiSoy	38A02
21	Elvin Reift	1775 Pinkerton Rd. Mount Joy, PA 17552	80.82	Lancaster	Hubner	3412
22	Stephen A. Mellott	5281 Rockdale Rd. Greencastle, PA 17225	80.80	Franklin	Channel	4101R2
23	Aldean Crider	P.O. Box 178 Marion, PA	78.71	Franklin	Hubner	2418
24	Joshua Kurtz	837 Fleetwood Lyons Rd. Fleetwood, PA 19522	77.91	Berks	Pioneer	93Y91
25	Harold Kready	504 N Erisman Rd. Manheim, PA 17545	77.18	Lancaster	Asgrow	4232
26	David Wolfskill	3856 N Church Rd. Wernersville, PA 19565	75.71	Berks	Asgrow	3803
27	Glenn Krall	180 Schaeffer Rd. Lebanon, PA 17042	71.36	Lebanon	Pioneer	93Y13
28	Curtis Hoover	279 N Erisman Rd. Manheim, PA 17545	69.99	Lancaster	Asgrow	3931
29	J. Walter Rook and Sons	1451 Spencer Rd. Ivyland, PA 18974	68.24	Bucks	Pioneer	93Y91
30	Clinton Burkholder	3125 Grand Point Rd. Chambersburg, PA 17202	66.76	Franklin	Asgrow	4130
31	Nelson Nolt	184 Pilottown Rd. Peach Bottom, PA 17563	59.81	Lancaster	Asgrow	4130

Rank of Contest Entries – Central Tier

RANK	GROWER	ADDRESS	BU/A	COUNTY	BRAND	CULTIVAR
1	Carl Gates	1507 W. Gatesburg Rd. Warriors Mark, PA 16877	67.93	Centre	Pioneer	93M11

Rank of Contest Entries – Northern Tier

RANK	GROWER	ADDRESS	Bu/A	COUNTY	BRAND	CULTIVAR
1	D. Richard Snyder	401 State Route 87 Montoursville, PA 17754	79.23	Lycoming	Pioneer	92Y91

Rank of Contest Entries – West Tier

RANK	GROWER	ADDRESS	Bu/A	COUNTY	BRAND	CULTIVAR
1	Rick Telesz	278 Young Rd. Volant, PA 16156	77.18	Lawrence	FS HiSoy	34A14
2	Thomas M. Hoovler	425 District Rd. Fredonia, PA 16124	68.49	Mercer	Asgrow	33-29
3	Robert Dorazio	4460 Morgantown Rd. Lake Lynn, PA 15451	61.93	Fayette	Pioneer	93Y22

Production Practice Summary

YIELD COMPARISONS	AVE BU/A	
Mean Yield	80.71	
No-till (67% of entries)	81.64	
Min-till (31% of entries)	77.92	
Drill (25% of entries)	82.26	
Corn planter (75% of entries)	80.20	
Planted May 10 or earlier (39% of entries)	83.43	
Planted May 11 to 20 (45% of entries)	79.93	
Planted May 21 to 30 (10% of entries)	72.26	
Rows 10" or less (14% of entries)	82.87	
Rows 11" to 20" (69% of entries)	81.92	
Rows 30" (17% of entries)	73.89	
No Foliar Fungicide or Insecticide Applied (50% of entries)	77.12	
Foliar Fungicide Applied (42% of entries)	86.67	Headline, Priaxor, Quilt, Ratchet and Stratego were products cited as being utilized.
Foliar Insecticide Applied (39% of entries)	84.02	Baythroid, Brigade, Endigo, Sniper, Tombstone and Warrior were products cited as being utilized
Combination of Foliar Fungicide and Insecticide (36% of entries)	88.29	

Other Production Information

Treated Seed	81% of entries used treated seed
Rhizobia Inoculation	89% of entries inoculated
Calibrate Seed Equip	50% of entries calibrated equipment
Soil Test	81% of entries tested soil
Average pH	6.7
Average P (ppm)	222
Average K (ppm)	192
Fertilizer	6% of entries used Nitrogen, and 42% applied foliar fertilizer
Herbicide	89% of entries utilized a herbicide
Yield Limiting	Lack of rain was cited as having an effect on yield
Average Seed Drop	170,604
Average Final Stand (PPA)	135,889
Average Harvest Date	8-Oct
Cover Crop	56% of entries utilized a cover crop after harvest
Average Harvest Loss (bu/acre)	1.61

Soybean Management Practices – Top Three Award Winners

PA STATE WINNERS	FIRST PLACE	SECOND PLACE	THIRD PLACE
	Herman Manbeck	Ken Mase	James E. Hershey
County	Berks	Lebanon	Lancaster
Previous Crop	Corn	Corn	Corn
Row Width	15"	20"	15"
Tillage Type	No-till	No-till	No-till
Planter Type	Corn Planter	Corn Planter	Drill
Variety	Pioneer 93Y84	Asgrow 3832	Asgrow 3931
Seeding Date	4/27/2012	n/a	5/11/2012
Seeding Rate	195,000	160,000	165,000
Final Stand	174,240	148,200	99,665
Seed Treatment	Trilex & Gaucho	Acceleron	Cruiser Max
Inoculation	Optimize	Dry	Liquid
Fungicides	None	Priaxor	Stratego
Insecticides	None	Warrior II	Warrior II
Herbicides	Burndown, Envive, Round Up Power Max and Synchrony	Round Up Ultra	n/a
Date of Harvest	9/24/2012	9/25/2012	10/12/2012
Yield	97.06	95.72	94.93
Moisture	11.80%	15.70%	13.70%
Soil Test	pH- 6.5, P (ppm)- 428, K (ppm)- 298	pH- 6.9, P (ppm)- 139, K (ppm)- 193	pH- 6.6, P (ppm)- 408, K (ppm)- 286
Harvest Loss (bu/acre)	n/a	n/a	0.85
Foliar Fertilizer	n/a	n/a	Yes
Cover Crop	None	None	Wheat