

Tests in Centre County were inoculated with the fungi causing northern leaf blight (NLB) and northern leaf spot (NLS), but only ratings for NLS were made and are given in Tables 1 and 2. Some bacterial leaf blight was observed in this zone, but the severity was minimal.

Corn borer damage was observed at all locations. Also, animal and bird damages were observed. Bird damage was most severe at the Lycoming County location.

### Interpretation of results

Least significant differences (LSD) is the tool used to determine if two average values are actually different statistically. The difference between two hybrids must exceed the LSD value to be considered significantly different. Example for yield:  $LSD = 8.1 \text{ Bu/A}$ ; Hybrid X = 120.0 Bu/A; Hybrid Y = 105.0 Bu/A;  $120.0 - 105 = 15.0 \text{ Bu/A}$  difference. Since the difference between Hybrid X and Y (15.0 Bu/A), exceeded the LSD (8.1 Bu/A), hybrid X was higher yielding due to hybrid superiority and not simply as a result of uncontrolled environmental factors.

### Cooperators and locations

Late medium-season hybrids were evaluated with the cooperation of the following persons: John Witmer, Dauphin County; Melvin Martin, Juniata County; William England, Blair County; Charles Dotterer, Clinton County; Dick Snyder, Lycoming County; and the university farm in Centre County.

#### ADVANCED ENTRIES

Table 1 Late medium-season hybrid performances (Maturity Zone 3) Combined Penn State Commercial Advanced Entries (average of six locations) Data under Location Means indicate counties where values were obtained

BRAND-HYBRID	PERCENT-OF-CHECKS			%H <sub>2</sub> O GRAIN	BU/A GRAIN	% ERECT	HEIGHT (IN)		GLS RATING	NLS RATING
	H <sub>2</sub> O	YIELD	ERECT				PLANT	EAR		
PIONEER 3527	90.5	97.4	107.3	26.3	153.6	96.5	101.7	50.3	3.0	1.3
MUNCY CHIEF XA560	95.6	81.4	98.7	27.8	128.5	88.8	91.0	42.0	2.3	2.8
PIONEER 3394	96.2	94.5	105.1	28.0	149.1	94.4	97.3	53.3	3.0	1.8
DOEBLER'S 66XP	96.9	100.4	94.4	28.2	158.4	84.8	93.0	50.7	2.3	2.2
PIONEER 3295	96.9	99.9	99.5	28.2	157.6	89.5	108.3	53.0	2.5	1.2
GREENLAND GL240	98.3	97.2	102.4	28.6	153.5	92.0	98.3	48.0	3.2	2.5
DOEBLER'S 73XP	99.6	103.8	95.8	29.0	163.8	86.1	98.3	44.7	2.5	2.8
PIONEER 3293	99.9	100.7	107.1	29.1	158.9	96.3	99.3	49.7	2.5	1.3
FUNK'S G-4530	99.9	100.8	105.7	29.0	159.0	95.0	94.7	44.3	2.8	2.7
AGRI GENE GA6951	100.1	101.5	99.6	29.1	160.2	89.6	99.3	56.3	2.3	3.2
DEKALB DK636	100.4	94.8	100.4	29.2	149.6	90.2	97.0	48.7	2.3	3.2
NORTHROP KING N6330	100.4	93.0	100.5	29.2	146.8	90.4	88.3	43.3	2.5	2.2

## Corn Growers To Debate Resolutions

ST. LOUIS, Mo. — Corn growers will debate a multitude of resolutions on a variety of issues during the upcoming annual meeting of the National Corn Growers Association (NCGA).

The farmer-led organization holds its annual meeting in conjunction with Corn Classic, Feb. 21-23, in San Antonio, Texas.

Among the key issues farmers will tackle are the wetlands and trade policy. They will also wrestle with the issue of water quality.

"The resolutions process is initiated by farmers at the grassroots level," said NCGA President Randy Cruise, a corn farmer from southcentral Nebraska.

"Each corn grower has the opportunity to help establish policy and direction for our association," he said. "NCGA is built on the fundamental principle that farmers provide the leadership."

As part of the first voting delegates session, corn growers will hear all of the resolutions read. At the second session, they will discuss and vote on each resolution. Amendments to resolutions may be made from the floor by voting delegates.

In addition to establishing NCGA policy at Corn Classic, growers will participate in a variety of educational opportunities. They'll also attend an extensive trade show and enjoy an evening of entertainment by country music stars Crystal Gayle and Lionel Cartwright.

For more information about the resolutions process, contact your state corn growers association. To register for Corn Classic, call NCGA at (314) 275-9915.



# CORN TALK NEWS

PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

HYTEST HT7510	101.8	90.5	97.5	29.6	142.8	87.6	95.0	45.3	2.2	1.8
PIONEER 3241	102.0	96.2	100.0	29.7	151.7	89.9	104.3	56.3	2.2	1.2
JACQUES 7970	102.0	95.5	85.5	29.7	150.8	76.8	92.7	43.3	2.5	3.0
HY PERFORMER HS9592	102.4	100.8	102.3	29.8	159.1	92.0	89.0	48.7	2.3	2.8
AGWAY AG 710	102.4	97.6	99.9	29.8	154.0	89.8	91.7	46.7	2.0	2.0
FUNK'S G-4543	102.5	99.6	96.6	29.8	157.2	88.6	97.3	52.0	2.5	2.5
DOEBLER'S 69XP	102.6	93.4	102.6	29.9	147.3	92.2	91.3	42.7	2.0	1.5
HALSEY H1120	103.0	96.7	99.4	30.0	152.6	89.3	91.0	45.0	2.3	3.7
SCHLESSMAN SX711	103.9	99.9	99.1	30.3	157.7	89.1	93.3	50.7	2.5	2.7
EASTLAND E799	104.0	105.3	107.0	30.3	166.1	96.2	101.7	54.0	2.7	2.8
CARGILL 8127	104.2	95.4	97.2	30.3	150.5	87.4	107.7	51.3	2.7	2.8
DEKALB DK646	104.4	105.6	102.3	30.4	166.6	92.0	107.7	46.0	2.3	3.5
HY PERFORMER HS9502	104.8	92.6	104.3	30.4	148.1	93.7	92.0	44.7	2.0	1.3
CARGILL 7997	104.9	99.7	105.9	30.5	157.4	95.2	100.3	47.7	2.2	2.0
WETSEL W80	105.0	95.0	100.5	30.5	149.9	90.4	96.0	52.0	2.2	2.0
AGWAY AG 797	105.2	106.9	103.8	30.6	168.8	93.3	97.0	51.3	2.5	2.0
JACQUES 8210	105.3	93.3	88.9	30.6	147.2	80.0	92.3	46.0	2.5	3.3
COKER 8625	105.4	100.8	99.9	30.7	159.1	89.8	96.0	52.0	2.5	2.7
DOEBLER'S 75X	105.6	97.8	100.8	30.7	154.1	90.6	93.7	49.3	2.5	3.2
HUBNER H9115	105.7	102.2	106.9	30.8	161.2	96.1	102.0	58.0	2.5	2.8
HUBNER H9015	105.9	105.6	106.2	30.8	166.6	95.5	94.3	52.3	1.8	2.3
NC-6414	107.2	100.5	105.3	31.2	158.6	94.7	98.7	47.3	2.5	1.8
DEKALB DK677	107.9	96.1	99.6	31.4	151.7	89.6	96.7	41.7	2.0	2.8
EASTLAND E7810	108.3	105.3	104.2	31.5	166.2	93.7	100.3	42.0	2.0	2.2
GREAT LAKES GL632	108.6	101.4	104.9	31.6	160.1	94.3	100.7	43.0	2.2	2.2
TERRA TR1090	110.0	95.4	92.5	32.0	150.5	83.2	96.7	46.3	2.5	2.8
MEANS	102.6	98.3	100.8	29.9	155.1	90.7	97.0	48.4	2.4	2.4
LSD (.05)	3.2	6.3	7.8	0.9	10.0	7.0	5.5	6.4	0.4	0.6
LOCATION MEANS										
Juniata	102.3	97.9	99.8	26.7	139.6	95.6				
Lycoming	103.4	95.9	99.4	27.4	191.9	98.6	97.0	48.4	2.4	
Clinton	103.3	98.8	99.9	32.7	181.7	99.3				
Blair	103.6	97.0	95.3	32.5	126.7	87.8				
Dauphin	99.9	102.5	100.9	26.7	158.2	95.7				
Centre	102.3	98.0	115.7	33.2	132.4	67.0				2.4

#### NEW ENTRIES

Table 2 Late medium-season hybrid performances (Maturity Zone 3) Combined Penn State Commercial New Entries (average of six locations) Data under Location Means indicate counties where values were obtained

BRAND-HYBRID	PERCENT-OF-CHECKS			%H <sub>2</sub> O GRAIN	BU/A GRAIN	% ERECT	HEIGHT (IN)		GLS RATING	NLS RATING
	H <sub>2</sub> O	YIELD	ERECT				PLANT	EAR		
TERRA TR1050	88.3	86.5	90.4	26.1	133.0	82.9	83.6	38.8	2.7	2.8
HY PERFORMER HS9408	91.3	87.9	93.7	27.0	135.2	85.9	94.1	42.6	3.0	3.2
AGWAY AG EXP 611	93.8	93.2	100.3	27.8	143.3	92.0	99.0	45.6	3.3	3.1
ICI 8326	95.3	108.7	99.1	28.2	167.2	90.9	98.6	47.7	2.8	3.3
GREENLAND GL262	96.0	107.3	96.6	28.4	165.0	88.6	96.8	45.4	2.7	3.0
PIONEER 3295	96.1	105.5	103.3	28.5	162.2	94.7	99.8	50.1	2.5	1.3
DOEBLER'S 66XP	97.0	100.8	93.8	28.7	155.1	86.0	93.2	47.9	2.3	2.3
HALSEY H1115	97.0	96.5	99.5	28.7	148.4	91.2	89.7	44.9	2.5	2.6
HARDY HB6923	97.4	95.4	97.6	28.8	146.7	89.5	89.3	45.6	2.0	2.9
EASTLAND 3X717	97.5	81.9	98.5	28.8	125.9	90.3	96.5	47.0	2.0	2.0
TERRA TR1101	98.4	99.6	102.1	29.1	153.1	93.6	89.8	42.7	2.2	1.8
AGWAY AG EXP 712	99.5	105.3	95.9	29.4	161.9	87.9	96.1	46.8	2.8	3.0
TERRA TR1120	99.6	103.1	101.1	29.5	158.6	92.7	93.7	47.3	2.5	3.2
NC-6485	99.8	104.4	104.4	29.5	160.6	95.8	99.5	51.7	2.6	2.8
DEKALB DK623	100.3	97.8	97.7	29.7	150.4	89.6	96.1	43.5	2.9	3.1
FUNK'S G-4543	100.4	99.6	98.6	29.7	153.1	90.4	92.1	48.9	2.3	3.0
GREAT LAKES GL587	100.4	95.9	101.7	29.7	147.4	93.2	97.7	43.6	2.4	1.9
ASGROW RX767	100.5	88.0	104.2	29.7	135.4	95.5	94.2	46.2	2.3	3.0
CARGILL 8127	100.7	101.1	99.4	29.8	155.5	91.1	102.4	46.8	2.5	2.9
NC-6959	101.6	98.1	103.2	30.1	150.8	94.7	100.0	52.8	2.5	2.0
HORST 801	101.7	90.6	101.7	30.1	139.2	93.2	92.4	46.9	2.4	2.8
DEKALB DK636	102.1	96.9	100.4	30.2	149.1	92.0	94.3	45.3	2.5	3.3
WETSEL PX115	102.5	103.9	101.6	30.3	159.8	93.2	93.6	45.4	2.2	3.1
HARDY HB6407	102.8	105.1	99.4	30.4	161.7	91.2	94.9	46.0	2.5	2.8

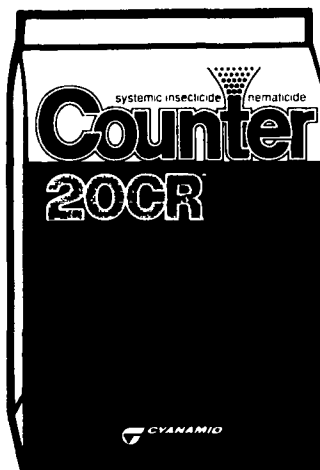
(Turn to Page 40)

## ROOTWORMS BEWARE. YOUR TOUGHEST ENEMY JUST GOT TOUGHER.

### MEET COUNTER® 20CR® SYSTEMIC INSECTICIDE-NEMATICIDE NOW LABELED FOR USE WITH ACCENT® HERBICIDE

COUNTER® 20CR® is a controlled release formulation of COUNTER® insecticide... proven on hundreds of area farms, season after season.

In COUNTER 20CR, active ingredient is blended throughout a unique new dust-free pellet. So, protection is released smoothly



and uniformly... for long-lasting control. See us today about COUNTER 20CR. You'll see how tough tough can get.



Restricted Use Pesticide Always read and follow label directions carefully. ®/™ Trademarks, American Cyanamid Company ©1991 Accent® Trademark Dupont Company

See The **AGRICENTER** Dealer Nearest You Or For More Information Call Your Cyanamid Rep.

EASTERN PA

Mike Fleming  
717-627-0661

WESTERN PA

Jim O'Bryan  
814-667-3648