

(Continued from Page 20)

FUNK'S G-4273	101.4	95.8	99.3	28.9	129.6	97.8	1.0
MYCOGEN 4770	102.4	102.8	100.5	29.2	139.0	98.9	2.3
NC+ 1991	102.4	100.1	100.4	29.2	135.5	98.8	3.3
DEKALB DK485	102.4	107.0	99.0	29.2	144.8	97.4	2.2
FUNK'S G-4106	102.9	93.9	100.5	29.3	127.0	98.9	2.3
AGWAY AG 394	103.8	97.9	100.9	29.6	132.4	99.3	3.2
HY PERFORMER HS9330	104.4	102.0	100.6	29.7	138.1	99.0	3.0
DEKALB DK512	105.2	107.4	100.6	30.0	145.3	99.0	1.8
DEKALB DK524	105.7	96.6	99.4	30.1	130.7	97.8	1.5
NC+ 2844	105.8	103.9	100.8	30.2	140.6	99.2	2.3
NORTHROP KING N4242	106.4	104.3	100.6	30.3	141.1	99.0	1.8
MUNCY CHIEF XA390	106.7	75.0	100.9	30.4	101.5	99.3	2.3
HYTEST HT318	107.0	103.0	100.0	30.5	139.3	98.4	1.8
DEKALB DK522	109.2	107.4	100.7	31.1	145.4	99.1	2.8
AGWAY AG 454	110.3	93.5	100.6	31.4	128.5	99.0	1.8
ICI 8562	111.3	101.5	101.3	31.7	137.3	99.7	2.5
CARGILL SX269	112.0	116.1	100.0	31.9	157.1	98.4	1.7
EXPERIMENTAL	112.5	96.6	101.5	32.1	131.0	99.9	1.7
<b>MEANS</b>	<b>103.1</b>	<b>98.6</b>	<b>100.3</b>	<b>29.4</b>	<b>133.5</b>	<b>98.7</b>	<b>2.2</b>
<b>LSD (.05)</b>	<b>3.9</b>	<b>7.1</b>	<b>1.3</b>	<b>1.1</b>	<b>9.9</b>	<b>1.2</b>	<b>0.8</b>

<b>LOCATION MEANS</b>							
Clearfield	78.0	94.4	99.8	22.2	127.7	98.2	
Clarion	124.3	120.0	100.5	35.4	162.4	98.9	
Cambria	114.7	99.6	100.5	32.7	134.7	98.9	
Potter	117.5	86.5	101.2	33.5	117.0	99.6	
Centre	81.2	92.7	99.7	23.2	125.4	98.1	2.2

**NEW ENTRIES**

Table 2 Short-season hybrid performances (Maturity Zone 1) Combined Penn State Commercial New Entries (average of five locations) Data under Location Means indicate counties where values were obtained

BRAND-HYBRID	PERCENT-OF-CHECK			%H <sub>2</sub> O GRAIN	BU/A GRAIN	% ERECT	LEAF DISEASE RATING
	H <sub>2</sub> O	YIELD	ERECT				
AGWAY AG 131	88.2	80.3	100.4	25.7	117.1	98.8	1.5
STINE 870	91.4	72.8	99.9	26.8	106.2	98.4	3.3
ICI 8990	91.6	83.5	100.1	26.7	121.9	98.6	2.7
FUNK'S G-4214	92.7	98.9	99.9	27.0	144.2	98.4	0.8
DOEBLER'S 27XP	93.2	94.7	101.0	27.1	138.1	99.5	2.3
DOEBLER'S 322X	95.1	89.9	99.8	27.7	131.1	98.3	2.7
DYNAGRO 5241	96.1	89.5	100.4	28.0	130.5	98.9	1.8
FUNK'S G-4172	96.7	101.6	100.4	28.1	148.3	98.9	1.7
AGWAY AG 286	96.8	88.4	100.5	28.2	128.9	99.0	1.7
HY PERFORMER HY9355	96.8	92.2	100.3	28.2	134.6	98.8	3.0
DOEBLER'S 313XP	97.6	82.8	100.2	28.4	120.8	98.7	2.2
PIONEER 3751	97.9	106.0	99.7	28.5	154.6	98.2	1.0
STINE 993	98.8	97.4	100.1	28.7	142.1	98.6	3.2
DOEBLER'S 52XP	98.5	92.8	100.5	28.7	135.4	98.6	3.2
HY PERFORMER HY9262	99.1	86.9	99.7	28.8	126.8	99.0	1.3
DYNAGRO 5133	99.3	91.7	101.2	28.9	133.7	99.6	3.0
MYCOGEN 5270	99.8	89.5	99.7	29.0	130.6	98.2	2.7
ASGROW RX444	99.8	97.9	100.8	29.0	142.8	99.3	2.2
BEACHELY HARDY BH4418	99.9	98.2	100.8	29.1	143.2	99.3	3.3
GOLDEN HARVEST H-2331	100.9	103.1	99.5	29.4	150.4	98.0	2.8
GOLDEN HARVEST H-2349	101.0	97.4	99.9	29.4	142.2	98.4	2.5
CARGILL 3777	101.0	100.2	100.2	29.4	148.2	98.7	2.0
TERRA E981	101.2	90.8	100.3	29.5	132.5	98.8	2.8
ASGROW RX502	101.6	92.0	99.8	29.6	134.1	98.3	1.5
AGWAY AG 310	103.7	96.9	99.0	30.2	144.3	97.6	1.5
BEACHELY HARDY HB8500	106.6	87.3	100.7	31.0	127.3	99.2	2.7
ANDERSONS PSX300	106.8	103.4	101.0	31.0	150.9	99.5	2.7
MYCOGEN 4970	107.0	90.4	100.9	31.1	131.9	99.4	2.5
CARGILL 5677	107.7	100.5	100.1	31.4	146.6	98.6	1.7
HYTEST HT318	109.7	102.9	99.8	31.9	150.1	98.3	1.5
<b>MEANS</b>	<b>99.2</b>	<b>93.4</b>	<b>100.2</b>	<b>28.9</b>	<b>136.2</b>	<b>98.7</b>	<b>2.3</b>
<b>LSD (.05)</b>	<b>3.6</b>	<b>7.1</b>	<b>1.2</b>	<b>1.1</b>	<b>10.3</b>	<b>1.2</b>	<b>0.7</b>
<b>LOCATION MEANS</b>							
Clearfield	75.1	77.6	99.0	21.8	113.2	97.5	
Clarion	119.0	111.6	100.2	34.6	162.8	98.7	
Cambria	111.2	104.5	101.2	32.3	152.4	99.7	
Potter	115.9	90.9	100.8	33.7	132.7	99.3	
Centre	75.0	82.4	99.9	21.8	120.2	98.4	2.3



**CORN TALK NEWS**

PENNSYLVANIA MASTER CORN GROWERS ASSOC., INC.

**TWO-YEAR AVERAGE PERFORMANCE**

Table 3 Short-season hybrids mean performance, 1992-1993 (Maturity Zone 1)

BRAND-HYBRID	PERCENT-OF-CHECKS			%H <sub>2</sub> O GRAIN	BU/A GRAIN	% ERECT
	H <sub>2</sub> O	YIELD	ERECT			
DOEBLER'S 27XP	95.4	90.2	101.2	25.1	122.1	98.8
FUNK'S G4172	96.6	102.4	99.9	25.4	138.7	97.5
PIONEER 3861	97.7	98.2	99.0	25.7	132.9	96.6
AGWAY AG 295	97.7	96.2	99.8	25.7	130.2	97.4
AGWAY AG 262	98.1	93.8	100.5	25.8	127.0	98.1
TERRA TR910	99.6	100.6	99.4	26.2	136.2	97.0
AGWAY AG 310	100.4	99.6	98.9	26.4	134.8	96.5
PIONEER 3751	101.9	101.8	100.1	26.8	137.5	97.7
MYCOGEN 4770	102.3	111.2	100.8	26.9	150.6	98.2
NC+ 1991	102.3	101.7	100.5	26.9	137.7	98.1
FUNK'S G-4106	102.3	96.7	99.6	26.9	130.9	97.2
FUNK'S G-4273	102.7	99.0	99.6	27.0	134.0	97.2
WETSEL PX85	102.7	97.6	100.8	27.0	132.1	98.2
DOEBLER'S 49XP	102.7	93.0	100.9	27.0	125.9	98.5
DEKALB DK485	103.0	109.6	98.1	27.1	148.4	96.7
NORTHROP KING N4242	103.0	104.1	100.8	27.1	140.9	98.4
NC+ 2309	103.0	103.0	101.2	27.1	139.4	98.8
AGWAY AG 394	103.8	99.4	101.0	27.3	134.6	98.6
DEKALB DK512	104.8	112.6	100.3	27.5	152.5	97.9
DEKALB DK524	105.3	105.2	99.6	27.7	142.5	97.2
NC+ 2844	106.1	107.9	101.0	27.9	146.1	98.6
HYTEST HT318	106.5	106.4	99.9	28.0	144.1	97.5
AGWAY AG 454	108.0	95.9	100.0	28.4	129.8	97.6
DEKALB DK522	109.1	116.0	100.4	28.7	157.0	98.0
ICI 8562	111.0	104.5	101.4	29.2	141.5	99.0
CARGILL SX269	114.1	120.4	101.3	30.0	183.0	98.9
<b>MEANS</b>	<b>103.1</b>	<b>102.6</b>	<b>100.3</b>	<b>27.1</b>	<b>136.9</b>	<b>97.9</b>
<b>LSD (.06)</b>	<b>3.3</b>	<b>6.8</b>	<b>1.8</b>	<b>0.9</b>	<b>9.4</b>	<b>1.0</b>

**SILAGE ENTRIES**

Table 4 Silage performance of short-season hybrids (Maturity Zone 1)

BRAND-HYBRID	YIELD (T/A)	%H <sub>2</sub> O PLANT	DRY MAT PLANT(T/A)
AGWAY AG 310	18.1	61.7	6.3
HY PERFORMER HY9424	19.5	63.2	6.8
AGWAY AG 578	23.0	63.9	8.0
PIONEER 3525	23.0	65.9	8.1
PIONEER 3527	24.3	63.0	8.5
DOEBLER'S 55XP	24.3	62.3	8.5
DEKALB DK522	24.8	58.3	8.7
CARGILL 6208FQ	24.9	65.2	8.7
AGWAY AG 394	25.0	55.7	8.7
EASTLAND E495	25.1	62.2	8.8
DOEBLER'S 585XP	25.2	62.2	8.8
CARGILL SX269	25.6	64.2	8.9
<b>MEANS</b>	<b>23.6</b>	<b>62.4</b>	<b>8.2</b>
<b>LSD (.06)</b>	<b>7.7</b>	<b>3.7</b>	<b>2.7</b>

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**Technology**

(Continued from Page 20)

John Kubik, Deere & Co., unveiled the company's combine yield mapping system. This technology allows farmers to vary inputs, like nutrients and chemicals, to positively affect outputs that can be measured to show improvements in the yield. Combine yield mapping changes data into information that can be used to make better decisions, ultimately helping the farmer to become more successful.

John Grace, Resource21, spoke about their product which utilizes an airplane sys-

tem to provide growers with information on stresses occurring in the field. According to Grace, "Resource21 takes data from light wavelengths and converts it into a paper form. This information will then steer you to problem spots on the field."

Soil doctor systems and crop doctor services were the subject of John Colburn Jr.'s, Crop Technology, Inc., presentation. This system truly "farms by the foot." Real-time sensing and right now applications allow the farmer to collect data 10 times per second to accurately reflect the field.

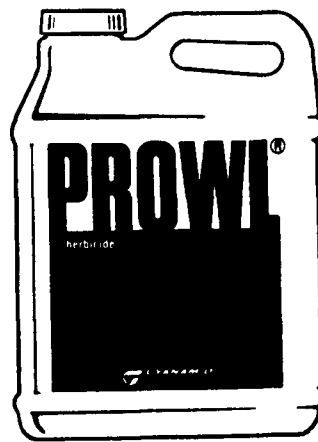


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