

Trend-Yield APH Database Calculation

2012

Example APHs using TA factors for

Blue Earth County, MN

Corn Unit 0001-0001 TA factor = 2.38

Age	Year	Actual Yld	Yld ID	APH Yld	TA	TA Yield
10	2002	163	A	163	23.80	187
9	2003	155	A	155	21.42	176
8	2004	182	A	182	19.04	201
7	2005	198	A	198	16.66	215
6	2006	171	A	171	14.28	185
5	2007	148	A	148	11.90	160
4	2008	185	A	185	9.52	195
3	2009	159	A	159	7.14	166
2	2010	181	A	181	4.76	186
1	2011	175	A	175	2.38	177
		172 Rate Yield	172 Adjusted Yield		185 Approved APH Yield	

At least 1 actual yield in last 4 years? Yes
 Years where planted age is <= 12: 10
 Maximum TA Yield = 200 % Trend = 100%

Corn Unit 0001-0002 TA factor = 2.38

Age	Year	Actual Yld	Yld ID	APH Yld	TA	TA Yield
19	1993	36	YA	74	45.22	119
17	1995	172	A	172	40.46	212
15	1997	171	A	171	35.70	207
13	1999	175	A	175	30.94	206
11	2001	164	A	164	26.18	190
9	2003	169	A	169	21.42	190
7	2005	215	A	215	16.66	232
5	2007	187	A	187	11.90	199
3	2009	183	A	183	7.14	190
1	2011	190	A	190	2.38	192
		166 Rate Yield	170 Adjusted Yield		194 Approved APH Yield	

Yld IDs

A=Actual Yield
 YA=Yield Adjustment
 Z=Zero planted

At least 1 actual yield in last 4 years? Yes
 Years where planted age is <= 12: 6
 Maximum TA Yield = 217 % Trend = 100%

Soybean Unit 0001-0001 TA factor = 0.39

Age	Year	Actual Yld	Yld ID	APH Yld	TA	TA Yield
10	2002	56	A	56	3.90	60
9	2003	45	A	45	3.51	49
8	2004	44	A	44	3.12	47
7	2005	58	A	58	2.73	61
6	2006	55	A	55	2.34	57
5	2007	47	A	47	1.95	49
4	2008	37	A	37	1.56	39
3	2009	49	A	49	1.17	50
2	2010	55	A	55	0.78	56
1	2011	53	A	53	0.39	53
		50 Rate Yield	50 Adjusted Yield		52 Approved APH Yield	

At least 1 actual yield in last 4 years? Yes
 Years where planted age is <= 12: 10
 Maximum TA Yield = 58 % Trend = 100%

Soybean Unit 0001-0002 TA factor = 0.39

Age	Year	Actual Yld	Yld ID	APH Yld	TA	TA Yield
20	1992	55	A	55	7.80	63
18	1994	53	A	53	7.02	60
16	1996	54	A	54	6.24	60
14	1998	56	A	56	5.46	61
12	2000	52	A	52	4.68	57
10	2002	52	A	52	3.90	56
8	2004	48	A	48	3.12	51
6	2006	55	A	55	2.34	57
4	2008	47	A	47	1.56	49
2	2010	53	A	53	0.78	54
		53 Rate Yield	53 Adjusted Yield		56 Approved APH Yield	

Maximum TA Yield exceeded! Actual Average TA Yield = 57

At least 1 actual yield in last 4 years? Yes
 Years where planted age is <= 12: 6
 Maximum TA Yield = 56 % Trend = 100%

Yld IDs

A=Actual Yield
 YA=Yield Adjustment
 Z=Zero planted

% Trend is determined by number of Actual Yields in the 12 most recent years of the database: 1 yr = 25%, 2 yrs = 50%, 3 yrs = 75%, 4 yrs = 100% of the published trend yield.
 Approved APH can't exceed the Maximum TA Yield. Maximum TA Yield is the highest Actual Yield of any year in the database plus 1 TA factor.

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