

Performance of Hybrid Seed Mixtures (RIB-Refuge in a bag)

Individual Trial Information - 2014 Trials.

Location	Previous Crop / Row Width (in)	Harvest	Av. Final		Soil Test			Nitrogen Fertilizer			Insect Control	Weed Control	
			Stand	Tillage	pH	P	K	actual	form	time			
Soil Series	Cooperators	Planting Date	Dates	(plants/A)	Operations	--(ppm)--			(lbs/A)				
Arlington	M. Bertram	Alfalfa / 30	Oct-24	G: 31981	Disk	6.7	38	131	3 gal	10-34-0	plant	Force 3G	Dual II Mag 24 oz/A
Plano Silt Loam		May-7										4.4 lbs/A	Hornet 4.0 oz/A Accent Q 1.0 oz/A Callisto 3.0 oz/A
Chippewa Falls	J. Clark	Corn / 30	Oct-28	G: 28887	Fall Chisel	5.7	61	105	3 gal	10-34-0	plant	Force 3G	Capreno 3.0 oz/A
Sattre Silt Loam		May-15							160	46-0-0	post	4.4 lbs/A	
Fond du Lac	M. Rankin	Soybean / 30	Nov-4	G: 30872	Fall Chisel	7.0	26	113	3 gal	10-34-0	plant	None	Lumax 3.0 g/A
Virgil Silt Loam	E. Montsma	May-23							150	46-0-0	post		
									60	32-0-0	post		
Galesville	K. Congdon	Soybean / 30	Oct-21	G: 31814	Fall Zone builde	6.8	34	154	125	46-0-0	pre	Force 3G	Harness 3.0 oz/A
Downs Silt Loam	J. Zander	May-6							32	21-0-0-24S	pre	4.4 lbs/A	Callisto 3.0 oz/A
									3 gal	10-34-0	plant		
									18	18-46-0			
Hancock	P. Sytsma	Corn / 30	Oct-28	G: 30838	Turbo till	6.9	40	72	20	10-20-20-4S-2Ca+micros			Prowl 2.0 pt/A
Plainfield Sand		May-14							100	0-0-60		Force 3G	Laudis 3.0 oz/A
Irrigated									3 gal	10-34-0	plant	4.4 lbs/A	
									50	21-0-0-24S	post		
									161	46-0-0	post		
Janesville	C. Kincaid	Soybean / 30	Oct-17	G: 31381	Disk	6.4	36	113	3 gal	10-34-0	plant	Force 3G	Lumax 3.0 qt/A
Plano Silt Loam		May-5			Field Cultivator				160	46-0-0	post	4.4 lbs/A	
Lancaster	T. Wood	Soybean / 30	Oct-20	G: 30003	Fall turbo till	7.4	30	87	193	46-0-0	pre	Force 3G	Lumax 3.0 qt/A
Fayette Silt Loam		May-5							3 gal	10-34-0	plant	4.4 lbs/A	Rotary hoe
Marshfield	J. Cavadini	Corn / 30	Nov-17	G: 31006	Chisel Plow	6.8	90	194	7000 gal	Manure	Fall	Force 3G	Medal II 1.7 pt/A
North Central Trial - Late		May-30							27 T/A	Manure	pre	4.4 lbs/A	Hornet WDG 3.0 oz/A
Northern Trial									3 gal	10-34-0	plant		Medal II 1.7 pt/A
Withee Silt Loam									120	46-0-0	post		Hornet WDG 3.0 oz/A
Seymour	M. Maass	Soybean / 30	Nov-13	G: 32302	Chisel Plow	6.9	20	101	170	46-0-0	pre	None	Capreno 3.0 oz/A
Onaway Silt Loam	K. Jarek	May-23							124	0-0-62	pre		Harness Xtra 1.7 qt/A
									12000 gal	Manure	pre		
									3 gal	10-34-0	plant		
									65	28-0-0	post		
Valders	D. Wagner	Corn/ 30	Oct-29	G: 30063	Chisel Plow	7.5	41	131	9000 gal	Manure	pre	Force 3G	Steadfast 1.0 oz/A
Kewaunee Clay		May-6							3 gal	10-34-0	plant	4.4 lbs/A	Keystone 1.5 pt
Loam									165	28-0-0	post		Callisto 3.0 oz/A Atrazine 0.25 lb/A

Results: Tables 1401-07 to 1401-16

Note: G=Grain, S=Silage, O=Organic, D=Dry, I=Irrigated.

**Table: 1401- 0+. Performance of Hybrid Seed Mixtures - Corn
Arlington, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	232	23.2	52.9	0.0	0.0	0.0	763
5D-198AMX (Base)	234	21.4	51.9	0.0	0.0	0.0	779
5D-198AMX (Refuge)	243	21.0	53.5	0.0	0.0	0.0	809
P0453AM RIB	249	26.5	54.8	0.8	0.4	0.4	802
P0453AM (Base)	273	25.5	54.0	0.0	0.0	0.0	885
P0453AM (Refuge)	226	27.2	54.4	0.0	0.0	0.0	724
Mean	243	24.1	53.6	0.1	0.1	0.1	794
<u>Probability(%)</u>							
Hybrid(H)	3.0	0.2	9.7	3.0	46.5	46.5	2.5
<u>LSD(0.10)</u>							
Hybrid(H)	22	2.3	1.7	0.4	NS	NS	67

*AGI - Adjusted Gross Income

**Table: 1401- 0, . Performance of Hybrid Seed Mixtures - Corn
Chippewa, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	166	21.2	50.3	0.4	0.0	0.4	553
5D-198AMX (Base)	171	20.9	49.4	0.0	0.0	0.0	569
5D-198AMX (Refuge)	158	18.6	52.6	0.0	0.0	0.0	532
FS 36TV4RIB	142	16.3	54.5	2.0	2.0	0.0	487
FS 36TV4RIB (Base)	154	15.7	55.1	0.8	0.0	0.8	528
FS 36TV4RIB (Refuge)	123	18.9	55.5	3.7	0.0	3.7	415
Mean	152	18.6	52.9	1.2	0.3	0.8	514
<u>Probability(%)</u>							
Hybrid(H)	4.4	0.1	0.0	30.8	46.5	19.8	4.7
<u>LSD(0.10)</u>							
Hybrid(H)	24	1.7	1.8	NS	NS	NS	77

*AGI - Adjusted Gross Income

**Table: 1401- 0- . Performance of Hybrid Seed Mixtures - Corn
Fond Du Lac, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	186	29.3	48.7	0.0	0.0	0.0	590
5D-198AMX (Base)	192	29.5	48.1	0.4	0.0	0.4	608
5D-198AMX (Refuge)	177	26.6	50.8	0.0	0.0	0.0	571
P0453AM RIB	209	30.0	50.3	0.0	0.0	0.0	658
P0453AM (Base)	203	30.6	49.8	0.0	0.0	0.0	637
P0453AM (Refuge)	185	30.1	51.7	0.4	0.4	0.0	582
Mean	192	29.3	49.9	0.1	0.1	0.1	608
<u>Probability(%)</u>							
Hybrid(H)	7	3.6	0.2	46.5	46.5	46.5	13
<u>LSD(0.10)</u>							
Hybrid(H)	18	1.9	1.1	NS	NS	NS	NS

*AGI - Adjusted Gross Income

**Table: 1401- %\$. Performance of Hybrid Seed Mixtures - Corn
Galesville, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	225	23.1	49.9	0.4	0.4	0.0	741
5D-198AMX (Base)	231	24.2	50.0	0.0	0.0	0.0	754
5D-198AMX (Refuge)	216	22.7	51.2	0.0	0.0	0.0	713
P0453AM RIB	255	25.8	51.0	0.0	0.0	0.0	825
P0453AM (Base)	263	25.1	50.1	0.0	0.0	0.0	853
P0453AM (Refuge)	228	24.7	52.2	0.4	0.0	0.4	742
Mean	236	24.3	50.7	0.1	0.1	0.1	771
<u>Probability(%)</u>							
Hybrid(H)	1	15.7	5.2	57.4	46.5	46.5	1
<u>LSD(0.10)</u>							
Hybrid(H)	18	NS	1.3	NS	NS	NS	61

*AGI - Adjusted Gross Income

**Table: 1401- 1% Performance of Hybrid Seed Mixtures - Corn
Hancock, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	190	22.2	50.4	0.0	0.0	0.0	627
5D-198AMX (Base)	199	22.1	49.3	0.0	0.0	0.0	658
5D-198AMX (Refuge)	197	21.2	51.8	0.0	0.0	0.0	654
P0453AM RIB	201	26.5	50.3	0.4	0.4	0.0	647
P0453AM (Base)	219	27.7	49.8	0.4	0.0	0.4	701
P0453AM (Refuge)	217	27.2	51.7	0.0	0.0	0.0	694
Mean	204	24.5	50.6	0.1	0.1	0.1	664
<u>Probability(%)</u>							
Hybrid(H)	19	0.0	12.4	57.4	46.5	46.5	44
<u>LSD(0.10)</u>							
Hybrid(H)	NS	1.8	NS	NS	NS	NS	NS

*AGI - Adjusted Gross Income

**Table: 1401- 1& Performance of Hybrid Seed Mixtures - Corn
Janesville, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	227	23.4	51.5	0.0	0.0	0.0	743
5D-198AMX (Base)	204	24.1	50.2	0.0	0.0	0.0	666
5D-198AMX (Refuge)	216	23.9	53.8	0.0	0.0	0.0	708
P0453AM RIB	212	27.0	51.1	0.0	0.0	0.0	680
P0453AM (Base)	238	25.3	51.2	0.4	0.4	0.0	774
P0453AM (Refuge)	185	25.4	52.9	0.4	0.0	0.4	600
Mean	214	24.8	51.8	0.1	0.1	0.1	695
<u>Probability(%)</u>							
Hybrid(H)	13	2.9	0.0	57.4	46.5	46.5	14
<u>LSD(0.10)</u>							
Hybrid(H)	NS	1.7	0.9	NS	NS	NS	NS

*AGI - Adjusted Gross Income

**Table: 1401- 1' . Performance of Hybrid Seed Mixtures - Corn
Lancaster, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	202	18.8	51.7	0.8	0.8	0.0	682
5D-198AMX (Base)	210	18.0	51.1	0.4	0.4	0.0	710
5D-198AMX (Refuge)	217	20.5	54.8	0.0	0.0	0.0	723
P0453AM RIB	238	23.1	53.8	2.1	1.7	0.4	783
P0453AM (Base)	227	24.8	52.1	0.4	0.4	0.0	737
P0453AM (Refuge)	198	23.4	53.7	0.0	0.0	0.0	651
Mean	215	21.4	52.9	0.6	0.6	0.1	715
<u>Probability(%)</u>							
Hybrid(H)	3	0.0	1.2	30.4	31.7	46.5	4
<u>LSD(0.10)</u>							
Hybrid(H)	20	1.5	1.6	NS	NS	NS	60

*AGI - Adjusted Gross Income

**Table: 1401- 1(. Performance of Hybrid Seed Mixtures - Corn
Marshfield, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	138	37.3	47.7	0.0	0.0	0.0	415
5D-198AMX (Base)	133	40.4	45.8	0.0	0.0	0.0	392
5D-198AMX (Refuge)	150	39.4	51.2	1.2	0.4	0.8	444
FS 36TV4RIB	171	31.4	52.7	0.0	0.0	0.0	534
FS 36TV4RIB (Base)	140	34.3	51.6	0.0	0.0	0.0	429
FS 36TV4RIB (Refuge)	139	30.6	53.0	0.0	0.0	0.0	435
Mean	145	35.6	50.4	0.2	0.1	0.1	442
<u>Probability(%)</u>							
Hybrid(H)	17	0.5	0.5	46.5	46.5	46.5	15
<u>LSD(0.10)</u>							
Hybrid(H)	NS	3.9	2.9	NS	0.4	0.4	86

*AGI - Adjusted Gross Income

**Table: 1401- 1) . Performance of Hybrid Seed Mixtures - Corn
Seymour, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	215	25.6	50.2	0.0	0.0	0.0	697
5D-198AMX (Base)	215	25.3	49.5	0.0	0.0	0.0	697
5D-198AMX (Refuge)	225	25.1	52.5	0.4	0.4	0.0	731
FS 36TV4RIB	187	23.0	54.4	4.3	4.3	0.0	614
FS 36TV4RIB (Base)	169	23.9	54.9	24.9	24.5	0.4	553
FS 36TV4RIB (Refuge)	161	23.1	53.4	0.0	0.0	0.0	529
Mean	195	24.4	52.5	4.9	4.9	0.1	637
<u>Probability(%)</u>							
Hybrid(H)	0	0.3	0.0	14.1	13.6	46.5	0
<u>LSD(0.10)</u>							
Hybrid(H)	18	1.0	1.4	NS	NS	NS	59

*AGI - Adjusted Gross Income

**Table: 1401- 1* . Performance of Hybrid Seed Mixtures - Corn
Valders, WI - 2014.**

Hybrid	Yield bu/A	Moisture %	Test weight lb/bu	Lodged			*AGI \$3.67/bu \$/A
				Total %	Stalk %	Root %	
5D-198AMX RIB	166	38.1	48.5	0.0	0.0	0.0	495
5D-198AMX (Base)	182	36.9	49.0	1.2	0.0	1.2	549
5D-198AMX (Refuge)	152	37.6	48.8	0.0	0.0	0.0	455
FS 36TV4RIB	151	29.2	50.3	1.6	1.6	0.0	478
FS 36TV4RIB (Base)	155	28.9	50.9	1.2	1.2	0.0	491
FS 36TV4RIB (Refuge)	155	29.6	51.0	0.8	0.4	0.4	490
Mean	160	33.4	49.7	0.8	0.5	0.3	493
<u>Probability(%)</u>							
Hybrid(H)	11	0.8	1.0	32.6	21.4	13.5	30
<u>LSD(0.10)</u>							
Hybrid(H)	NS	4.7	1.2	NS	NS	NS	NS