

FIELD EXPERIMENT HISTORY

Title: Plant Density and Hybrid Influence on Corn Grain Performance
Experiment: 02Plant Density **Trial ID:** 3509 **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: ARS406 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6.7 **OM (%)** 3.4 **P (ppm)** 38 **K (ppm)** 131

Plot Management

Tillage Operations: Disk Chisel Field Cultivator Cultivated 6/11/12
Fertilizer:

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Preplant :	46-0-0	138 lbs/A	4 /24/12
Starter :	10-34-0	3.0 gal/A	5 /10/12
Post plant :	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Hornet 4 oz/A **Insecticide:** Force 3G 4.4 lb/A
 Dual II Magnum 24 oz/A
 Accent Q 0.9 oz/A
 Callisto 3 oz/A

Irrigation: None **Hybrid:** Pioneer 36V53
Planting Date: 5/10/12 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: See Factors **Planting Method:** Almaco Precision Planter
Harvest Date: 10/1/12 **Harvest Method:** Massey 8XP
Notes:

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.5 A
Harvest Plot Size: 23' x 5' **Harvest Plant Density:** Factor

Factors/Treatments:

Target Plant Density:

14000	38000
20000	44000
26000	50000
32000	56000

Results: Tables C-18.

**Table C-18. Plant Density and Hybrid Influence on Corn Grain.
Arlington, WI - 2012.**

Target density	Grain											
	Density					Test weight	Lodged			Return \$6.65	Silk date	Plant height
	V5	Harvest	Ears	Yield	Moisture		Total	Stalk	Root			
plants/A	plants/A	plants/A	ears/A	bu/A	%	lbs/bu	%	%	%	\$/A	day	inches
14000	14850	15048	18909	174	17.6	56	0	0	0	1111	196	87
20000	22374	22275	24255	196	16.4	56	1	0	1	1252	197	94
26000	30096	29997	31086	220	16.3	56	6	5	1	1412	197	91
32000	36333	35937	36531	216	16.2	56	5	1	4	1385	198	86
38000	43956	41877	42768	225	16.8	56	7	1	6	1436	199	86
44000	50391	46728	45738	216	16.5	55	9	1	8	1384	199	90
50000	52668	47817	48114	204	16.0	55	11	0	11	1310	199	86
56000	53658	49401	49599	219	16.5	55	13	3	9	1401	199	87
Mean	38041	36135	37125	209	16.5	56	6	1	5	1336	198	88
Probability(%)												
Plant Density (D)	0.0	0.0	0.0	0.1	1.0	1.5	0.1	5.3	0.1	0.0	1.7	24.0
LSD (0.10)												
Plant Density (D)	1728	3712	3862	17	1	1	5	3	4.1	106	1	NS

FIELD EXPERIMENT HISTORY

Title: Plant Density and Hybrid Influence on Corn Silage Performance
Experiment: 02Plant Density **Trial ID:** 3659 **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn and T.H. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: ARS406 **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6.7 **OM (%)** 3.4 **P (ppm)** 38 **K (ppm)** 131

Plot Management

Tillage Operations: Disk Chisel Field Cultivator Cultivated 6/11/12

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Fertilizer: Preplant :	46-0-0	138 lbs/A	4 /24/12
Starter :	10-34-0	3.0 gal/A	5 /10/12
Post plant :	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Hornet 4 oz/A **Insecticide:** Force 3G 4.4 lb/A
 Dual II Magnum 24 oz/A
 Accent Q 0.9 oz/A
 Callisto 3 oz/A

Irrigation: None **Hybrid:** See Factors
Planting Date: 5/10/12 **Planting Depth:** 1.5" **Row Width:** 30"
Target Plant Density: See Factors **Planting Method:** Almaco Precision Planter
Harvest Date: 10/1/12 **Harvest Method:** Massey 8XP

Notes:

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.75 A
Harvest Plot Size: 23' x 5' **Harvest Plant Density:** Factor

Factors/Treatments:

<u>Target Plant Density:</u>	<u>Hybrid:</u>
14000 38000	Mycogen F2F665
20000 44000	Pioneer 36V53
26000 50000	Pioneer P1376XR
32000 56000	

Results: Tables C-19.

Table C-19. Plant Density and Hybrid Influence on Silage Performance.
Arlington, WI - 2012.

Target density plants/A	Hybrid	Whole Plant																								
		Density			Dry Matter		Kernel	Silk	Plant	KMR			SMR			VMR			Crude			<i>in vitro</i>			Milk per	
		V5 plants/A	Harvest plants/A	Ears ears/A	Yield T/A	Moisture %	milk %	date doy	height inches	0-5	0-5	0-10	protein %	ADF %	NDF %	Digest %	NDFD %	Starch %	Ton lbs/T	Acre lbs/A						
	Mycogen F2F665	39452	38957	38016	7.9	57.1	67	206	93	3.3	1.2	4.5	8.1	22.8	41.2	87.0	68.4	34.4	3683	29023						
	Pioneer 36V53	37554	35343	35863	8.3	51.8	43	206	92	2.2	1.1	3.3	8.1	19.4	35.9	87.0	63.6	40.2	3714	30715						
	Pioneer P1376XR	37917	36927	36952	7.2	57.7	70	207	97	3.5	0.8	4.3	8.5	21.1	39.1	87.6	68.2	34.4	3729	26962						
14000		14674	17556	17556	6.6	57.9	61	207	92	3.1	1.1	4.2	8.3	20.6	38.3	87.7	67.8	36.2	3746	24813						
20000		22462	22440	24354	7.9	54.7	59	205	97	3.0	1.2	4.2	8.1	19.8	36.7	88.0	67.2	38.0	3760	29612						
26000		29370	29304	29634	7.8	54.3	56	208	91	2.8	1.0	3.8	8.1	20.9	38.1	86.9	65.6	37.9	3699	28819						
32000		38280	36300	36432	7.5	54.6	60	206	97	3.0	1.0	4.0	8.1	20.3	37.4	87.4	66.3	37.6	3730	28060						
38000		43758	41052	41580	8.1	57.3	57	208	94	2.9	0.9	3.7	8.2	22.0	40.2	87.2	68.0	35.0	3700	30088						
44000		50798	48510	47982	8.1	53.7	61	206	95	3.1	0.9	3.9	8.4	20.9	38.5	87.1	66.3	36.8	3704	30127						
50000		52800	50622	49104	7.8	56.0	58	206	93	2.9	0.9	3.9	8.3	21.9	40.0	86.7	66.3	34.7	3671	28632						
56000		54318	50820	48906	8.5	55.8	66	206	93	3.3	1.2	4.5	8.3	22.3	40.7	86.5	66.5	34.6	3660	31049						
14000	Mycogen F2F665	15840	17622	18018	6.4	60.0	75	206	92	3.8	1.2	5.0	8.2	22.6	41.0	87.6	69.7	32.8	3719	23679						
20000	Mycogen F2F665	23562	23562	23760	8.0	54.4	65	202	93	3.3	1.4	4.6	7.8	19.8	36.3	88.3	67.8	39.4	3773	30235						
26000	Mycogen F2F665	30294	31086	30492	7.4	56.1	59	208	90	2.9	1.1	4.0	7.9	22.3	40.6	86.2	66.0	36.2	3648	27037						
32000	Mycogen F2F665	38808	39204	38412	8.3	55.7	64	206	95	3.2	1.5	4.6	8.1	21.4	38.9	87.4	67.5	36.0	3723	30889						
38000	Mycogen F2F665	45342	45144	45738	8.4	58.1	61	209	97	3.1	0.9	4.0	8.1	24.7	44.2	86.4	69.1	32.8	3629	30584						
44000	Mycogen F2F665	50886	50094	48708	8.1	56.1	65	207	94	3.3	1.0	4.3	8.3	22.6	41.2	87.5	69.7	33.5	3715	30034						
50000	Mycogen F2F665	54054	50490	47124	7.7	57.9	71	205	95	3.6	1.6	5.2	8.1	23.5	41.9	87.1	69.1	34.0	3683	28254						
56000	Mycogen F2F665	56826	54450	51876	8.8	58.9	73	208	91	3.6	1.0	4.6	8.1	25.5	45.7	85.6	68.4	30.5	3575	31473						
14000	Pioneer 36V53	13662	14454	16038	6.8	54.6	50	207	92	2.5	1.2	3.7	8.4	19.8	36.8	87.4	65.7	38.3	3735	25213						
20000	Pioneer 36V53	21120	21186	23364	8.2	52.1	46	205	99	2.3	1.6	3.9	7.9	19.5	36.3	87.1	64.5	39.3	3725	30602						
26000	Pioneer 36V53	29304	28710	28908	8.9	50.2	43	207	86	2.1	1.2	3.3	8.2	18.8	34.7	87.5	64.1	41.9	3757	33425						
32000	Pioneer 36V53	37224	34452	35838	8.5	50.9	41	205	96	2.1	0.8	2.9	7.9	18.4	34.4	87.5	63.7	42.0	3748	31688						
38000	Pioneer 36V53	45144	40590	40194	8.0	54.6	46	206	89	2.3	1.1	3.4	8.0	19.2	36.0	88.1	66.8	39.3	3776	30351						
44000	Pioneer 36V53	51216	48312	48114	9.0	49.3	45	205	92	2.3	0.8	3.1	8.3	19.9	36.4	86.2	62.1	40.9	3669	32954						
50000	Pioneer 36V53	51282	49104	48906	8.2	49.6	26	208	89	1.3	0.4	1.7	8.1	19.5	35.7	85.7	60.0	40.6	3644	30094						
56000	Pioneer 36V53	51480	45936	45540	8.6	53.2	48	205	91	2.4	1.9	4.2	8.1	19.9	36.7	86.1	62.1	39.7	3660	31397						
14000	Pioneer P1376XR	14520	20592	18612	6.8	59.2	59	208	93	2.9	1.0	3.9	8.1	19.3	37.0	88.2	68.1	37.6	3783	25549						
20000	Pioneer P1376XR	22704	22572	25938	7.4	57.6	66	207	101	3.3	0.8	4.1	8.7	19.9	37.4	88.5	69.2	35.4	3782	27997						
26000	Pioneer P1376XR	28512	28116	29502	7.0	56.7	66	209	98	3.3	0.8	4.1	8.1	21.6	39.0	86.9	66.6	35.7	3692	25995						
32000	Pioneer P1376XR	38808	35244	35046	5.8	57.2	75	205	101	3.8	0.6	4.4	8.5	21.0	39.1	87.4	67.7	34.6	3720	21605						
38000	Pioneer P1376XR	40788	37422	38808	7.9	59.3	64	209	97	3.2	0.6	3.8	8.6	22.0	40.5	87.1	68.1	32.8	3695	29329						
44000	Pioneer P1376XR	50292	47124	47124	7.3	55.7	74	205	98	3.7	0.8	4.5	8.5	20.2	37.9	87.6	67.1	36.0	3728	27394						
50000	Pioneer P1376XR	53064	52272	51282	7.5	60.4	78	207	95	3.9	0.8	4.7	8.8	22.9	42.4	87.2	69.9	29.4	3684	27548						
56000	Pioneer P1376XR	54648	52074	49302	8.1	55.4	78	206	96	3.9	0.7	4.6	8.6	21.5	39.6	87.9	69.0	33.7	3744	30277						
Mean		38308	37076	36944	7.8	55.6	60	206	94	3.0	1.0	4.0	8.2	21.1	38.7	87.2	66.7	36.3	3709	28900						
Probability(%)																										
Plant Density (D)		0.0	0.0	0.0	2.2	0.7	62.3	34.5	26.2	62.3	53.0	45.8	51.8	0.1	0.1	0.4	16.4	3.0	0.1	6.0						
Hybrid (H)		16.1	0.7	8.2	0.3	0.0	0.0	59.1	1.0	0.0	0.2	0.0	0.0	0.0	0.0	1.4	0.0	0.0	1.1	0.7						
D x H		95.3	51.7	39.7	57.7	40.6	15.8	76.6	91.4	15.8	3.4	3.6	33.2	3.6	2.0	1.2	3.3	7.4	0.9	58.4						
LSD (0.10)																										
Plant Density (D)		2830	3025	2572	0.8	2.0	NS	NS	NS	NS	NS	NS	NS	1.1	1.7	0.6	NS	2.2	41	3137						
Hybrid (H)		NS	1852	1575	0.5	1.2	5	NS	3	0.3	0.2	0.4	0.2	0.7	1.0	0.4	1.0	1.4	25	1921						
D x H		NS	NS	NS	NS	NS	NS	NS	NS	NS	0.6	1.0	NS	1.9	2.9	1.1	2.8	3.8	71	NS						

FIELD EXPERIMENT HISTORY

Title: Plant Density and Hybrid Influence on Corn Silage Performance
Experiment: 02Plant Density **Trial ID:** 3637 **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Marshfield, WI **County:** Wood
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Withee Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6.9 **OM (%)** 3.4 **P (ppm)** 36 **K (ppm)** 60

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
Fertilizer:

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Preplant :	N/A	N/A	N/A
Starter :	10-34-0	3.0 gal/A	4 /27/12
Post plant :	28-0-0	120	6 /15/12
Manure:	N/A	N/A	N/A

Herbicide: SureStart 2.25 pt/A **Insecticide:** Force 3G 4.4 lbs/A
 Volley 2.75 oz/A Baythroid-2 1.6 oz/A

Irrigation: None **Hybrid:** See Factors

Planting Date: 4/27/12 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: See Factors **Planting Method:** Almaco Precision Planter

Harvest Date: 9/6/12 **Harvest Method:** NH707

Notes:

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.4 A
Harvest Plot Size: 22' x 2.5' **Harvest Plant Density:** Factor

Factors/Treatments:

<u>Target Plant Density:</u>	<u>Hybrid:</u>
14000 38000	Mycogen F2F488
20000 44000	Dekalb DKC42-72
26000 50000	
32000 56000	

Results: Tables C-20.

**Table C-20. Plant Density and Hybrid Influence on Corn Grain.
Marshfield, WI - 2012.**

Target density	Grain										
	Density					Test weight	Lodged			Return \$6.65	Plant height
	V5	Harvest	Ears	Yield	Moisture		Total	Stalk	Root		
plants/A	plants/A	plants/A	ears/A	bu/A	%	lbs/bu	%	%	%	\$/A	inches
14000	14553	15048	19008	157	23.1	53	0	0	0	986	86
20000	21978	22869	23265	179	20.1	55	0	0	0	1131	82
26000	27720	25245	25047	188	20.6	54	0	0	0	1190	85
32000	36234	35145	35244	200	15.4	57	0	0	0	1280	89
38000	46629	43461	43758	205	16.7	56	1	0	1	1309	82
44000	47817	45441	45441	210	17.1	56	0	0	0	1341	89
50000	52272	51777	51777	189	16.4	56	0	0	0	1209	84
56000	50886	48114	48510	200	17.2	56	0	0	0	1276	84
Mean	37261	35888	36506	191	18.3	56	0	0	0	1215	85
<u>Probability(%)</u>											
Plant Density (D)	0.0	0.0	0.0	0.2	0.1	0.2	55.1	-	55.1	0.1	14.7
<u>LSD (0.10)</u>											
Plant Density (D)	3354	2735	3229	19	2.6	1	NS	NS	NS	119	NS

FIELD EXPERIMENT HISTORY

Title: Plant Density and Hybrid Influence on Corn Grain Performance
Experiment: 02Plant Density **Trial ID:** 3658 **Year:** 2012
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Marshfield, WI **County:** Wood
Supported By: HATCH

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Withee Silt Loam
Soil Test: **Date:** 10/01/12 **pH:** 6.9 **OM (%)** 3.4 **P (ppm)** 36 **K (ppm)** 60

Plot Management

Tillage Operations: Chisel Plow Field Cultivator Cultivated
Fertilizer:

	<u>Analysis:</u>	<u>Rate lbs/A:</u>	<u>Date:</u>
Preplant :	N/A	N/A	N/A
Starter :	10-34-0	3.0 gal/A	4 /27/12
Post plant :	28-0-0	120	6 /15/12
Manure:	N/A	N/A	N/A

Herbicide: SureStart 2.25 pt/A **Insecticide:** Force 3G 4.4 lbs/A
 Volley 2.75 oz/A Baythroid-2 1.6 oz/A

Irrigation: None **Hybrid:** DeKalb DKC42-72

Planting Date: 4/27/12 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: See Factors **Planting Method:** Almaco Precision Planter

Harvest Date: **Harvest Method:** Massey 8XP

Notes:

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.2 A
Harvest Plot Size: 23' x 5' **Harvest Plant Density:** Factor

Factors/Treatments:

Target Plant Density:

14000	38000
20000	44000
26000	50000
32000	56000

Results: Tables C-21.

Table C-21. Plant Density and Hybrid Influence on Silage Performance.
Marshfield, WI - 2012.

Target density plants/A	Hybrid	Whole Plant																	
		Density			Dry Matter		Kernel	Plant height inches	KMR 0-5	SMR 0-5	VMR 0-10	Crude			<i>in vitro</i>			Milk per	
		V5 plants/A	Harvest plants/A	Ears ears/A	Yield T/A	Moisture %	milk %					protein %	ADF %	NDF %	Digest %	NDFD %	Starch %	Ton lbs/T	Acre lbs/A
	Dekalb DKC42-72	31903	28166	28215	6.8	52.3	42	82	2.1	0.9	3.0	7.7	23.5	43.0	83.9	62.6	33.6	3502	23918
	Mycogen F2F488	34774	32274	32200	6.6	62.5	64	85	3.2	1.7	4.9	8.4	26.8	48.6	85.8	70.8	22.1	3508	23294
14000		12771	12276	13959	4.8	61.6	59	83	2.9	2.0	4.9	8.1	24.9	45.2	85.7	68.3	28.4	3578	17307
20000		19602	17919	18018	5.6	59.9	56	87	2.8	2.0	4.7	8.2	24.0	44.2	85.5	67.0	29.4	3579	19940
26000		27522	24750	24354	6.7	57.0	50	82	2.5	1.3	3.8	8.2	24.6	45.2	85.1	66.6	28.7	3507	23387
32000		33858	31779	31680	7.7	53.8	51	87	2.5	0.9	3.5	7.8	24.1	44.3	84.5	65.0	29.8	3507	26834
38000		42669	36333	36234	7.6	55.3	56	85	2.8	1.0	3.9	7.9	26.0	46.9	84.2	66.0	27.2	3481	26611
44000		36828	35937	35343	6.5	58.0	56	81	2.8	0.9	3.6	8.1	26.4	48.0	84.7	67.7	25.2	3449	22544
50000		46233	40986	40788	7.2	57.8	51	83	2.5	0.9	3.5	8.1	25.7	46.2	84.7	66.6	26.2	3439	24766
56000		47223	41778	41283	7.8	56.0	46	81	2.3	1.2	3.5	7.9	25.5	46.2	84.6	66.2	28.2	3500	27459
14000	Dekalb DKC42-72	12474	11682	14850	4.8	59.0	56	81	2.8	1.7	4.5	7.9	24.9	45.0	84.6	66.0	30.3	3529	16805
20000	Dekalb DKC42-72	19206	16632	16434	5.4	57.2	41	87	2.1	1.9	4.0	7.9	23.1	42.5	84.6	63.7	33.0	3544	19031
26000	Dekalb DKC42-72	26928	23760	23562	6.7	51.6	40	77	2.0	0.8	2.8	7.8	22.2	41.0	84.7	62.6	35.9	3556	23677
32000	Dekalb DKC42-72	33066	31482	31482	8.1	47.3	40	87	2.0	0.6	2.6	7.4	23.6	43.1	82.9	60.4	34.0	3446	27872
38000	Dekalb DKC42-72	42372	33660	33660	7.6	49.4	46	84	2.3	0.3	2.7	7.5	23.7	43.4	83.2	61.2	33.6	3458	26224
44000	Dekalb DKC42-72	30294	30888	29700	6.8	51.1	46	81	2.3	0.4	2.7	7.6	23.3	43.3	84.3	63.8	34.1	3524	23858
50000	Dekalb DKC42-72	44946	38214	38016	7.3	52.4	31	84	1.6	0.5	2.1	7.8	24.2	43.7	83.2	61.7	32.4	3459	25177
56000	Dekalb DKC42-72	45936	39006	38016	8.2	50.7	33	80	1.6	0.8	2.4	7.5	22.7	41.8	83.7	61.1	35.6	3498	28701
14000	Mycogen F2F488	13068	12870	13068	4.9	64.1	61	84	3.1	2.3	5.3	8.3	25.0	45.5	86.7	70.6	26.5	3627	17809
20000	Mycogen F2F488	19998	19206	19602	5.8	62.6	70	87	3.5	2.0	5.5	8.4	24.8	46.0	86.4	70.2	25.7	3614	20850
26000	Mycogen F2F488	28116	25740	25146	6.7	62.4	60	87	3.0	1.8	4.8	8.6	26.9	49.4	85.4	70.5	21.5	3458	23096
32000	Mycogen F2F488	34650	32076	31878	7.2	60.2	61	87	3.1	1.3	4.4	8.3	24.6	45.4	86.2	69.5	25.5	3569	25796
38000	Mycogen F2F488	42966	39006	38808	7.7	61.2	66	87	3.3	1.7	5.0	8.3	28.4	50.4	85.2	70.8	20.8	3504	26997
44000	Mycogen F2F488	43362	40986	40986	6.3	64.9	65	81	3.3	1.3	4.6	8.6	29.5	52.8	85.0	71.7	16.4	3374	21230
50000	Mycogen F2F488	47520	43758	43560	7.1	63.2	70	82	3.5	1.4	4.9	8.3	27.2	48.7	86.1	71.5	20.0	3419	24356
56000	Mycogen F2F488	48510	44550	44550	7.5	61.2	60	83	3.0	1.6	4.6	8.2	28.2	50.6	85.5	71.3	20.7	3501	26217
Mean		33338	30220	30207	6.7	57.4	53	84	2.6	1.3	3.9	8.0	25.1	45.8	84.9	66.7	27.9	3505	23606
Probability(%)																			
Plant Density (D)		0.0	0.0	0.0	0.0	0.0	24.8	9.1	24.8	0.0	0.4	14.5	15.9	14.1	40.4	12.3	13.9	11.5	0.0
Hybrid (H)		0.6	0.1	0.2	38.1	0.0	0.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.5	46.5
D x H		5.2	49.5	20.5	84.4	2.4	10.7	32.8	10.7	52.0	49.0	41.5	2.8	2.1	55.8	20.9	0.4	18.0	82.7
LSD (0.10)																			
Plant Density (D)		3360	3879	4000	0.8	2.4	NS	4	NS	0.5	0.7	NS	NS	NS	NS	NS	NS	NS	2842
Hybrid (H)		1680	1940	2000	NS	1.2	4	2	0.2	0.2	0.4	0.1	0.8	1.2	0.6	0.9	1.4	NS	NS
D x H		4752	NS	NS	NS	3.4	NS	NS	NS	NS	NS	NS	2.4	3.4	NS	NS	4.1	NS	NS