

TONDRA MAX

A Brand Developed for Reliability

TONDRA MAX brand is an alfalfa that data. A very recognizable alfalfa with its give top Hay Producers a choice that alfalfa brand for long term stands.

exhibits Strong Yield, Quality, and Persistence rich dark green color. TONDRA MAX will gives them yield and a quality. Truly an

AGRONOMIC CHARACTERISTICS

Bacterial Wilt - HR
 Fusarium Wilt - HR
 Phytophthora Root Rot - HR
 Anthracnose Race 1 - HR
 Anthracnose Race 5 - HR
 Aphanomyces Root Rot (Race 1 & 2) - HR
 Verticillium Wilt - R
 DRI - 39/40
 Winter Survival - 1.9
 Recovery after cutting - Fast
 Multi-Leaf - High
 Fall Dormancy - 4.5
 Winter Survival - 1.6
 Forage Yield & Quality - Excellent

WI 2022	RFQ	Milk/Ton	Lignin
TONDRA MAX	194.4	3045.88	5.27
Megatron	187.5	3003.38	5.18
ReboundAA	187.5	2992.5	5.49
Hybri4400	187.3	2987.63	5.31
LS2003	186.7	2986.75	5.47
LS2002	184.4	2969.38	5.47
AFX460	180	2924.25	5.48
Pioneer 54Q14	170.1	2867.25	5.77
LSD	16.72	104.46	0.35

Yield DM	T/A	M/A
WI 2022	4 Cuts	4 Cuts
TONDRA MAX	6.72	20,138.16
Megatron	6.23	18,623.03
ReboundAA	6.8	20,372.80
Hybri4400	6.17	17,795.82
LS2003	6.76	19,767.93
LS2002	6.7	19,468.53
AFX460	6.64	19,680.96
Pioneer 54Q14	5.94	17,279.46
LSD	6.57	19,609.00

Rate of Passage Through Ruminant

"Higher the Better"

	kd
TONDRA MAX	9.86
Hybri4400	9.7
LS2003	9.61
LS2002	9.58
ReboundAA	9.48
Megatron	9.47
AFX460	9.31
Pioneer 54Q14	9.19

EV 21/WP 21-A/WP 21-B

	3 locations T/A		Yield	M/T Av- erage	M/A	M/A % HVX
	10 total cuts	2022				
TONDRA MAX	16.44	106%	3046	50,076.24	108%	
AFX 460	16.17	104%	2924	47,281.08	102%	
Hybriforce4400	16.24	105%	2988	48,525.12	104%	
Rebound 6AA	16.47	106%	2993	49,641.68	106%	
LS2003	16.63	107%	2987	49,673.81	107%	
LS2002	16.72	108%	2969	49,641.68	107%	
Pioneer 54Q14	15.04	97%	2867	43,119.68	93%	
Megatron	15.49	100%	3003	46,516.47	100%	

WISCONSIN 2022

4-2-2019 Lexington, KY	Variety	FD	Percent Stand									Yield (Tons/Acre)							4-year total			
			2019			2020			2021			2022			2022							
			03-May	11-Oct	17-Mar	24-Sep	24-Mar	30-Sep	22-Mar	22-Sep	Total	Total	Total	12-May	13-Jun	12-Jul	11-Aug	14-Sep		Total		
TONDRA MAX	5	98	98	98	94	94	94	96	95	1.41	4.39	7.08	1.93	1.56	0.94	1.10	0.82	6.35	19.23			
Rebound 6XT	4	100	100	99	97	97	97	97	96	1.30	4.18	6.68	2.02	1.80	1.24	1.28	1.00	7.34	19.5			
WL 349HQ	4	99	99	99	96	98	98	98	95	0.94	3.91	6.74	1.85	1.68	0.98	1.12	0.86	6.49	18.08			
55V50	5	100	100	100	95	96	96	96	93	1.26	3.60	6.54	1.95	1.39	0.77	0.96	0.67	5.73	17.14			
NSF 8011 Q Plus	5	100	100	99	96	96	97	97	95	0.98	4.30	6.70	2.17	1.70	1.09	1.12	0.84	6.92	18.90			
Ameristand 403T +	4	100	99	99	95	95	95	96	95	1.51	4.31	6.98	2.06	1.48	0.91	1.03	0.77	6.25	19.05			

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ENTRY	2020	2021	2022	Combined Total
	Total	Total	Total	
Beresford, SD	Ton/Ac	Ton/Ac	Ton/Ac	Ton/Ac
DSX144083	3.15	4.76	3.04	10.95
TONDRA MAX	2.99	4.58	3.15	10.72
DSX174082	3.11	4.50	2.99	10.6
Viking Organic 5200	2.99	4.80	2.77	10.56
Viking 394	2.75	4.29	3.13	10.18
DB Rush Hour	2.88	4.16	3.10	10.14
HybriForce 4400	3.00	4.22	2.90	10.12
Red Falcon	2.94	4.27	2.85	10.06
DB HeavyWeight	2.93	4.15	2.91	9.99
DB 540 Salt	2.63	4.27	3.03	9.92
Viking 342	2.58	4.14	3.19	9.91
CO4153364	2.76	4.10	3.00	9.86
Aqua Maxx	3.00	3.97	2.88	9.85
Bluebird	2.79	4.02	2.96	9.78
AFX163050	2.86	3.95	2.89	9.7
HybriForce 4420	2.88	3.84	2.95	9.67
DSX174085	2.86	3.79	2.95	9.6
GA349XL	2.91	3.82	2.81	9.54
Salinity Max	2.70	3.94	2.89	9.53
Viking 374	2.83	3.73	2.82	9.39
Check (Vernal)	2.92	3.36	3.02	9.31
Husky Supreme	2.69	3.58	2.73	8.99
Falcata G0-2018-FU	2.95	3.25	2.67	8.86
Mean	2.87	4.06	2.94	9.88
CV%	7.90	15.9	12.5	9.7
LSD (0.10)	0.265	0.62	NS	0.92

ENTRY	First	Second	Third	Total
	Cutting	Cutting	Cutting	
2022	Ton/Ac	Ton/Ac	Ton/Ac	Ton/Ac
Beresford, SD	Ton/Ac	Ton/Ac	Ton/Ac	Ton/Ac
Viking 342	2.45	0.66	0.08	3.19
TONDRA MAX	2.37	0.69	0.08	3.15
Viking 394	2.43	0.63	0.07	3.13
DB Rush Hour	2.38	0.61	0.11	3.10
DSX174083	2.33	0.62	0.09	3.04
DB 540 Salt	2.34	0.63	0.06	3.03
Vernal	2.47	0.51	0.05	3.02
CO4153364	2.08	0.78	0.14	3.00
DSX174082	2.29	0.61	0.09	2.99
Bluebird	2.27	0.61	0.08	2.96
DSX174085	2.29	0.59	0.07	2.95
HybriForce 4420	2.25	0.65	0.05	2.95
DB HeavyWeight	2.29	0.56	0.06	2.91
HybriForce 4400	2.26	0.56	0.09	2.90
Salinity Max	2.29	0.57	0.04	2.89
AFX163050	2.17	0.68	0.04	2.89
Aqua Maxx	2.33	0.51	0.04	2.88
Red Falcon	2.12	0.60	0.12	2.85
Viking 374	2.13	0.66	0.04	2.82
GA349XL	2.16	0.59	0.05	2.81
Viking Organic 5200	2.03	0.64	0.10	2.77
Husky Supreme	2.08	0.59	0.06	2.73
Falcata	2.38	0.24	0.06	2.67
Mean	2.27	0.60	0.07	2.94
CV%	10.80	25.00	116.5	12.5
LSD (0.10)	0.24	0.14	NS	NS

Total dry matter yields across three seasons from an alfalfa trial conducted at the SE Farm in Beresford, SD. Plots were established in the spring of 2020, and the study was continued through the 2021 and 2022 growing seasons. This period was marked by below-average rainfall much of the time, and drought stress impacted yields, particularly in the third year of the study.

Dry matter yields from an alfalfa variety trial conducted at the SE Farm in Beresford, SD in the 2022 season. Plots were established in the spring of 2020, making this the third season of the trial. Plots were harvested on May 27th, June 30th, and Aug 3 of 2022. Yields were strongly impacted by drought stress.

REPLANT POLICY - TONDRA MAX is backed by 50% of published retail price on qualifying situations. This 50% is only on the replacement of TONDRA MAX with TONDRA MAX. Planting a different alfalfa or alternative crop is not considered a replant. See your dealer for more information, and what qualifies as a replant situation.