



2019 HiDF CORN SILAGE PERFORMANCE SUMMARY



HYBRID	# PLOTS	MOISTURE	YIELD PERFORMANCE			GRAIN METRICS		FIBER DIGESTIBILITY			OVERALL PERFORMANCE	
			WET TONS	TONS @ 70%	DRY TONS	STARCH	7HR STARCH DIG	30HR NDFd	TTNDFD	uNDF240	MILK / TON	MILK / ACRE
HIDF-3188-6	3	57.70	15.25	17.60	6.93	37.18	70.22	56.92	41.49	8.21	3303	22547
HIDF-3290-9	5	58.08	21.28	23.25	8.35	40.28	71.10	55.64	38.70	8.78	3376	28581
HIDF-3094SSX	3	56.46	13.17	16.19	7.19	28.06	72.13	50.78	35.70	13.84	2822	20324
HIDF-3197RA	12	57.44	16.78	18.85	7.10	35.03	71.58	56.92	39.49	10.50	3212	22667
HIDF-3397RA	11	59.21	17.92	20.10	7.60	32.28	72.06	54.86	39.34	11.26	3127	24006
HIDF-3099RA	11	58.31	18.65	20.80	7.74	39.35	66.69	56.16	35.93	9.18	3343	25674
HIDF-3099-6	1	54.80	24.50	28.22	11.07	38.34	65.17	53.90	37.99	11.64	3121	34558
HIDF-3700RA	3	60.17	14.02	16.86	6.86	35.14	72.92	55.58	37.38	10.33	3315	22620
HIDF-3202PRA	5	51.40	16.73	19.82	8.11	40.38	65.29	57.41	37.34	8.96	3305	26635
HIDF-3702-9	18	61.27	22.05	23.90	8.46	35.87	72.19	55.23	37.83	10.08	3254	27441
HIDF-3802AMXT	22	62.04	23.25	24.94	8.66	35.44	74.08	57.56	40.19	9.18	3338	28933
HIDF-3103RA	5	60.27	16.75	19.21	7.63	40.06	67.84	54.55	35.46	10.27	3385	25687
HIDF-3605RA	15	59.00	21.24	24.43	8.19	35.98	69.06	53.80	35.75	10.79	3201	26231
HIDF-3407RA	25	61.99	23.04	25.41	8.98	35.08	72.07	53.74	36.92	10.41	3244	29147
HIDF-3308AM	15	63.62	25.05	26.43	8.90	34.89	73.72	57.96	41.31	9.36	3365	29951
HIDF-3808RA	24	62.34	24.61	26.65	9.47	32.84	72.10	54.00	37.25	11.44	3155	30069
HIDF-3510SSX	1	63.01	29.22	31.26	10.81	31.05	72.22	53.56	38.57	12.52	2997	32381
HIDF-3211RA	16	62.77	24.94	26.50	9.05	35.12	72.09	55.37	38.37	10.23	3276	29651
HIDF-3413SSX	8	66.99	26.65	27.38	8.73	29.94	74.06	53.24	38.96	12.52	3086	26876
HIDF-3413	4	66.41	24.77	25.58	8.25	33.70	71.13	52.91	36.18	10.93	3217	26311
BMR-3493RA	4	59.07	15.76	17.40	6.37	36.33	70.53	62.54	45.62	7.42	3449	21878
BMR-3597RA	11	61.51	17.54	19.31	7.11	33.18	73.96	59.09	42.81	8.45	3349	23796
BMR-3899RA	11	62.03	16.38	18.16	6.79	34.05	71.58	59.17	43.43	8.02	3349	22774
BMR-4205SE	9	62.58	18.47	20.22	7.40	27.06	74.50	61.49	47.37	9.84	3206	23628
BMR-3508RA	5	63.22	21.09	22.50	7.74	32.02	73.14	59.31	43.86	9.13	3295	25208
DS-3715AM	6	56.45	19.23	21.77	8.31	39.33	71.26	54.70	37.06	10.11	3283	27238
DS-4318AMXT	9	63.29	23.89	25.34	8.62	36.86	74.89	54.07	37.14	9.93	3288	28306
DS-4318AM	4	62.38	22.14	23.60	8.10	35.14	73.48	55.56	38.73	10.29	3249	26272
DS-5018Q	9	62.54	24.20	26.01	9.07	37.67	71.88	56.49	38.68	8.63	3379	30927
DS-5018AM	9	65.14	24.60	25.65	8.43	33.82	75.88	57.66	41.71	9.54	3311	27876
DS-5329Q	7	62.80	21.94	23.47	8.11	36.50	71.78	56.26	37.79	9.79	3319	27089
DS-5329AM	7	60.08	24.99	27.44	9.95	35.37	70.39	54.85	38.07	10.27	3227	32237
EXP-10512	8	64.63	27.93	29.28	9.73	34.90	75.41	55.41	38.66	9.91	3304	32388
EXP-11516	6	58.67	23.02	25.42	9.31	37.71	70.23	57.00	38.94	8.92	3325	30906
WEIGHTED AVG		61.35	21.78	23.71	8.39	35.00	72.07	55.99	39.02	9.98	3267	27421
TOTAL PLOTS	312											

BETTER THAN PLOT AVERAGES



2019 HiDF CORN SILAGE PERFORMANCE SUMMARY



HiDF-3188 Family 3 Plots			HiDF-3290 Family 5 Plots			HiDF-3094 Family 3 Plots			HiDF-3197 Family 12 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	-5.18	Tons	Moisture	-4.97	Tons	Moisture	-3.40	Tons	Moisture	-2.20	Tons
Wet Tons	-2.05	Tons	Wet Tons	0.47	Tons	Wet Tons	-1.16	Tons	Wet Tons	-2.08	Tons
Tons @ 70%	-1.13	Tons	Tons @ 70%	0.59	Tons	Tons @ 70%	-0.81	Tons	Tons @ 70%	-1.98	Tons
Dry Tons	0.74	Tons	Dry Tons	0.89	Tons	Dry Tons	0.29	Tons	Dry Tons	-0.43	Tons
Starch	4.04	%DM	Starch	5.35	%DM	Starch	-4.18	%DM	Starch	-1.34	%DM
Starch Dig	0.53	%Starch	Starch Dig	-0.34	%Starch	Starch Dig	-0.29	%Starch	Starch Dig	0.34	%Starch
NDFd30	1.12	%NDF	NDFd30	-0.41	%NDF	NDFd30	-3.90	%NDF	NDFd30	0.76	%NDF
TTNDFd	-1.24	%NDF	TTNDFd	-2.25	%NDF	TTNDFd	-3.44	%NDF	TTNDFd	0.01	%NDF
uNDF240	-1.82	%NDF	uNDF240	-1.33	%NDF	uNDF240	2.65	%NDF	uNDF240	0.86	%NDF
Milk/Ton	43	LBS	Milk/Ton	44	LBS	Milk/Ton	-333	LBS	Milk/Ton	-74	LBS
Milk/Acre	2293	LBS	Milk/Acre	3499	LBS	Milk/Acre	-1331	LBS	Milk/Acre	-2047	LBS
HiDF-3397 Family 11 Plots			HiDF-3099 Family 12 Plots			HiDF-3700 Family 3 Plots			HiDF-3202 Family 5 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	-0.90	Tons	Moisture	-0.33	Tons	Moisture	0.31	Tons	Moisture	-5.36	Tons
Wet Tons	0.44	Tons	Wet Tons	0.50	Tons	Wet Tons	-0.31	Tons	Wet Tons	-0.65	Tons
Tons @ 70%	0.54	Tons	Tons @ 70%	0.61	Tons	Tons @ 70%	-0.13	Tons	Tons @ 70%	0.02	Tons
Dry Tons	0.35	Tons	Dry Tons	0.33	Tons	Dry Tons	-0.04	Tons	Dry Tons	0.62	Tons
Starch	-2.69	%DM	Starch	2.63	%DM	Starch	2.90	%DM	Starch	4.71	%DM
Starch Dig	-0.18	%Starch	Starch Dig	-4.18	%Starch	Starch Dig	0.50	%Starch	Starch Dig	-5.16	%Starch
NDFd30	-1.76	%NDF	NDFd30	-0.06	%NDF	NDFd30	0.90	%NDF	NDFd30	-0.46	%NDF
TTNDFd	-0.91	%NDF	TTNDFd	-2.29	%NDF	TTNDFd	-1.77	%NDF	TTNDFd	-2.65	%NDF
uNDF240	1.05	%NDF	uNDF240	-0.38	%NDF	uNDF240	-0.86	%NDF	uNDF240	-0.41	%NDF
Milk/Ton	-148	LBS	Milk/Ton	64	LBS	Milk/Ton	160	LBS	Milk/Ton	57	LBS
Milk/Acre	246	LBS	Milk/Acre	1397	LBS	Milk/Acre	965	LBS	Milk/Acre	2376	LBS
HiDF-3702 Family 18 Plots			HiDF-3802 Family 22 Plots			HiDF-3103 Family 5 Plots			HiDF-3605 Family 15 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	-0.19	Tons	Moisture	1.05	Tons	Moisture	0.39	Tons	Moisture	-0.25	Tons
Wet Tons	-0.71	Tons	Wet Tons	0.88	Tons	Wet Tons	1.68	Tons	Wet Tons	0.33	Tons
Tons @ 70%	-0.61	Tons	Tons @ 70%	0.76	Tons	Tons @ 70%	1.82	Tons	Tons @ 70%	1.26	Tons
Dry Tons	-0.11	Tons	Dry Tons	0.14	Tons	Dry Tons	0.85	Tons	Dry Tons	-0.13	Tons
Starch	-0.02	%DM	Starch	-1.04	%DM	Starch	5.25	%DM	Starch	-0.17	%DM
Starch Dig	-0.94	%Starch	Starch Dig	1.37	%Starch	Starch Dig	-4.55	%Starch	Starch Dig	-2.84	%Starch
NDFd30	-1.17	%NDF	NDFd30	0.36	%NDF	NDFd30	-1.76	%NDF	NDFd30	-2.45	%NDF
TTNDFd	-0.93	%NDF	TTNDFd	0.77	%NDF	TTNDFd	-3.94	%NDF	TTNDFd	-3.34	%NDF
uNDF240	0.39	%NDF	uNDF240	-0.56	%NDF	uNDF240	-0.22	%NDF	uNDF240	0.31	%NDF
Milk/Ton	-62	LBS	Milk/Ton	3	LBS	Milk/Ton	109	LBS	Milk/Ton	-62	LBS
Milk/Acre	-967	LBS	Milk/Acre	504	LBS	Milk/Acre	3577	LBS	Milk/Acre	-1025	LBS

BOLD = Better than plot averages

HiDF-3407 Family 25 Plots			HiDF-3308 Family 15 Plots			HiDF-3808 Family 24 Plots			HiDF-3510 Family 1 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	0.63	Tons	Moisture	2.44	Tons	Moisture	0.31	Tons	Moisture	2.41	Tons
Wet Tons	1.01	Tons	Wet Tons	2.83	Tons	Wet Tons	1.78	Tons	Wet Tons	5.00	Tons
Tons @ 70%	1.47	Tons	Tons @ 70%	2.39	Tons	Tons @ 70%	1.98	Tons	Tons @ 70%	4.80	Tons
Dry Tons	0.44	Tons	Dry Tons	0.41	Tons	Dry Tons	0.73	Tons	Dry Tons	1.30	Tons
Starch	0.15	%DM	Starch	-0.58	%DM	Starch	-2.07	%DM	Starch	-4.03	%DM
Starch Dig	-0.86	%Starch	Starch Dig	1.42	%Starch	Starch Dig	-0.26	%Starch	Starch Dig	4.11	%Starch
NDFd30	-2.25	%NDF	NDFd30	0.67	%NDF	NDFd30	-3.24	%NDF	NDFd30	2.03	%NDF
TTNDFd	-2.06	%NDF	TTNDFd	1.30	%NDF	TTNDFd	-2.73	%NDF	TTNDFd	5.13	%NDF
uNDF240	0.15	%NDF	uNDF240	-0.57	%NDF	uNDF240	1.37	%NDF	uNDF240	0.50	%NDF
Milk/Ton	-25	LBS	Milk/Ton	68	LBS	Milk/Ton	-150	LBS	Milk/Ton	-77	LBS
Milk/Acre	1137	LBS	Milk/Acre	1909	LBS	Milk/Acre	1154	LBS	Milk/Acre	3132	LBS

HiDF-3211 Family 16 Plots			HiDF-3413 Family 12 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	1.61	Tons	Moisture	5.22	Tons
Wet Tons	2.20	Tons	Wet Tons	2.19	Tons
Tons @ 70%	1.87	Tons	Tons @ 70%	1.12	Tons
Dry Tons	0.33	Tons	Dry Tons	-0.41	Tons
Starch	0.59	%DM	Starch	-3.59	%DM
Starch Dig	-0.03	%Starch	Starch Dig	1.18	%Starch
NDFd30	-0.53	%NDF	NDFd30	-2.47	%NDF
TTNDFd	-0.88	%NDF	TTNDFd	-0.41	%NDF
uNDF240	0.09	%NDF	uNDF240	1.56	%NDF
Milk/Ton	38	LBS	Milk/Ton	-109	LBS
Milk/Acre	1368	LBS	Milk/Acre	-2357	LBS

Silage Analysis Key		
<i>(Goals are typical and may change by producer)</i>		
	Function	Goal
Wet Tons	Yield	High +
Tons @ 70%	Yield	High +
Dry Tons	Yield	High +
Starch	Energy	High +
Starch Dig	Avail. Energy	High +
NDFd30	Fiber Dig	High +
TTNDFd	Fiber Dig	High +
uNDF240	Fiber Dig	Low -
Milk/Ton	Yield + Quality	High +
Milk/Acre	Overall Quality	High +





2019 HiDF CORN SILAGE PERFORMANCE SUMMARY



BMR-3493 Family 4 Plots			BMR-3597 Family 11 Plots			BMR-3899 Family 11 Plots			BMR-4205 Family 9 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	-2.22	Tons	Moisture	1.25	Tons	Moisture	-0.61	Tons	Moisture	0.39	Tons
Wet Tons	-2.12	Tons	Wet Tons	-0.58	Tons	Wet Tons	-3.43	Tons	Wet Tons	-2.20	Tons
Tons @ 70%	-2.14	Tons	Tons @ 70%	-0.96	Tons	Tons @ 70%	-3.52	Tons	Tons @ 70%	-2.36	Tons
Dry Tons	-0.45	Tons	Dry Tons	-0.43	Tons	Dry Tons	-1.00	Tons	Dry Tons	-0.80	Tons
Starch	1.29	%DM	Starch	-1.14	%DM	Starch	0.75	%DM	Starch	-6.81	%DM
Starch Dig	-0.95	%Starch	Starch Dig	2.33	%Starch	Starch Dig	-0.01	%Starch	Starch Dig	2.50	%Starch
NDFd30	4.10	%NDF	NDFd30	2.48	%NDF	NDFd30	2.45	%NDF	NDFd30	3.85	%NDF
TTNDFd	3.40	%NDF	TTNDFd	2.38	%NDF	TTNDFd	2.31	%NDF	TTNDFd	6.47	%NDF
uNDF240	-1.63	%NDF	uNDF240	-1.46	%NDF	uNDF240	-1.79	%NDF	uNDF240	-0.26	%NDF
Milk/Ton	117	LBS	Milk/Ton	99	LBS	Milk/Ton	86	LBS	Milk/Ton	-76	LBS
Milk/Acre	-827	LBS	Milk/Acre	-606	LBS	Milk/Acre	-2597	LBS	Milk/Acre	-3228	LBS

BMR-3508 Family 5 Plots			EXP-10512 Family 8 Plots			EXP-11516 Family 6 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	0.34	Tons	Moisture	0.65	Tons	Moisture	-3.13	Tons
Wet Tons	-1.61	Tons	Wet Tons	2.33	Tons	Wet Tons	0.45	Tons
Tons @ 70%	-1.75	Tons	Tons @ 70%	2.26	Tons	Tons @ 70%	0.97	Tons
Dry Tons	-0.63	Tons	Dry Tons	0.63	Tons	Dry Tons	0.65	Tons
Starch	-2.04	%DM	Starch	-0.08	%DM	Starch	3.63	%DM
Starch Dig	1.00	%Starch	Starch Dig	0.86	%Starch	Starch Dig	-0.49	%Starch
NDFd30	0.46	%NDF	NDFd30	0.10	%NDF	NDFd30	0.30	%NDF
TTNDFd	1.89	%NDF	TTNDFd	0.80	%NDF	TTNDFd	-1.25	%NDF
uNDF240	-0.71	%NDF	uNDF240	0.26	%NDF	uNDF240	-1.23	%NDF
Milk/Ton	-22	LBS	Milk/Ton	-8	LBS	Milk/Ton	77	LBS
Milk/Acre	-2455	LBS	Milk/Acre	2206	LBS	Milk/Acre	2741	LBS

DS-3715 Family 6 Plots			DS-4318 Family 13 Plots			DS-5018 Family 18 Plots			DS-5329 Family 14 Plots		
Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages			Average Difference From Plot Averages		
Moisture	-4.87	Tons	Moisture	0.47	Tons	Moisture	1.09	Tons	Moisture	-1.17	Tons
Wet Tons	-1.07	Tons	Wet Tons	1.00	Tons	Wet Tons	0.87	Tons	Wet Tons	-0.40	Tons
Tons @ 70%	-0.37	Tons	Tons @ 70%	0.87	Tons	Tons @ 70%	0.65	Tons	Tons @ 70%	-0.09	Tons
Dry Tons	0.52	Tons	Dry Tons	0.25	Tons	Dry Tons	0.05	Tons	Dry Tons	0.19	Tons
Starch	2.88	%DM	Starch	1.09	%DM	Starch	0.46	%DM	Starch	1.77	%DM
Starch Dig	-0.16	%Starch	Starch Dig	0.83	%Starch	Starch Dig	1.22	%Starch	Starch Dig	-0.60	%Starch
NDFd30	-2.85	%NDF	NDFd30	-0.85	%NDF	NDFd30	-0.67	%NDF	NDFd30	-1.14	%NDF
TTNDFd	-3.96	%NDF	TTNDFd	-1.23	%NDF	TTNDFd	0.03	%NDF	TTNDFd	-2.10	%NDF
uNDF240	0.68	%NDF	uNDF240	-0.04	%NDF	uNDF240	-0.39	%NDF	uNDF240	-0.19	%NDF
Milk/Ton	-79	LBS	Milk/Ton	-3	LBS	Milk/Ton	-5	LBS	Milk/Ton	9	LBS
Milk/Acre	1071	LBS	Milk/Acre	722	LBS	Milk/Acre	219	LBS	Milk/Acre	753	LBS

BOLD = Better than plot averages



DAIRYLAND SEED CORN SILAGE HYBRID METRICS



	Highly Digestible Forage (HiDF)	Brown Midrib (BMR)	Standard Grain Corn
Agronomic Performance			
Silage Yield	1	5	3
Stress Tolerance	3	7	2
Disease Tolerance	2	6	2
Soil Adaptability	2	5	1
Nutritional Performance			
Starch Content	2	4	1
Starch Digestibility	2	5	7
Fiber Digestibility	3	1	7
Milk/Ton	2	2	6
Milk/Acre	1	4	5

Rating Scale 1-9 (1 = Excellent)

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