



2017 MICHIGAN DRY BEAN TRIALS
 Compiled by Gregory V. Varner, Dry Bean Research Director

COUNTY & COOPERATOR: Bay: *Frank Farms* Montcalm: *Mark Alexander Farm*
 Gratiot: *Hoard Farms* Sanilac: *Stoutenburg Farms*
 Huron: *D & B Karg Farms* Tuscola: *Bernia Family Farms*

PLANTING DATES: 6/5/17 6/12/17 6/8/17 6/16/17 6/1/17 6/2/17

<u>NAVY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	2017 AVE 4-2 LOC	White Mold - Lodging Rating
HMS MEDALIST	100-108	COOP/ADM	1866	2733	2957	2940	2823	2088	2680-2523	2.4-2.0
MERLIN	100-108	COOP/ADM	2181	2756	2892	3119	2189	2449	2804-2671	2.4-2.5
HYLAND T9905	98-107	TVS	2340	2516	2737	2725	2864	2194	2543-2466	2.8-2.5
VIGILANT	98-103	PROVITA	1327	2921	2692	3375	2558	2584	2893-2638	3.2-1.5
ALPENA	98-106	MSU	1919	2557	2559	2277	2632	2236	2407-2398	3.2-2.0
DS105WO	100-106	TVS	2337	2555	3041	2884	2871	2641	2780-2841	2.0-3.0
VISTA	99-108	GTS	2104	3159	2686	3218	2462	2581	2914-2634	2.5-2.5
GTS OB-1723-03	101-108	GTS	2099		2597		2170	2130	2364	2.8-2.5
REXETER	102-106	OAC-HDC	1806		2806		2784	2790	2798	2.5-2.5
NAUTICA	102-105	OAC-HDC	2331		3184		2539	2562	2873	2.2-2.5
MIST	100-106	OAC-HDC	1967		3017		2041	2129	2573	1.7-2.5
ARGOSY	101-107	OAC-HDC	2909		3685		2592	2392	3039	2.5-2.5
BLIZZARD 08072	102-107	PROVITA	2220		2969		2125	1948	2459	2.7-2.5
PROVITA 06063	103-109	PROVITA	2220		3031		2098	2654	2843	3.2-2.5
PROVITA 12039	103-109	PROVITA	2461		3018		2871	2803	2911	3.0-3.0
PROVITA 12047	103-108	PROVITA	2376		3204		2138	2090	2647	2.4-2.0
PROVITA 12062	103-107	PROVITA	2610		3314		3686	2462	2888	2.5-2.0
PROVITA 12063	102-106	PROVITA	2435		3451		2954	2314	2883	2.8-2.5
PROVITA 12064	104-107	PROVITA	2204		3143		2995	2493	2818	2.0-2.0
PROVITA 13049	105-109	PROVITA	2089		3066		2514	2024	2545	2.5-2.5
PROVITA 13058	106-111	PROVITA	3006		2971		3332	2192	2582	3.0-2.5
PROVITA 13066	106-110	PROVITA	1967		3280		3305	1967	2624	2.0-1.5
PROVITA 13068	104-108	PROVITA	2299		3278		2648	2358	2818	2.5-2.0
PROVITA 14068	106-110	PROVITA	2697		3116		3029	3038	3077	3.0-2.0
PROVITA 14078	107-112	PROVITA	1948		3394		3292	2420	2907	3.0-2.0
PROVITA 14084	104-109	PROVITA	2594		3087		3463	2111	2599	2.0-2.0
MSU N14229	95-105	MSU	2792		3118		2722	3033	3076	2.5-3.0
MSU N15341	100-104	MSU	2642		2737		3128	2557	2647	3.0-2.5
MSU N16401	97-104	MSU	1525		2538		1961	2043	2291	2.0-2.5
MSU N16405	100-104	MSU	2309		2725		2818	2663	2694	2.0-2.5
			lsd=813	lsd=456	lsd=508	lsd=931	lsd=819	lsd=395		
			cv=25.7%	cv=11.2%	cv=12.0%	cv=21.4%	cv=21.4%	cv=11.7%		

<u>SMALL RED/PINK</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	2017 AVE 5-4 LOC	White Mold - Lodging Rating
MERLOT	95-108	USDAMSU	2526	2716	2842	1721	3386	2638-2619	3.0-3.0
VIPER SR 09303	94-108	PROVITA	3483	3488	3582	1415	4280	3250-3190	3.0-3.0
RUBY SR 09304	95-108	PROVITA	2838	3005	3068	1480	3660	2810-2761	3.5-3.5
SR 11511	108-112	PROVITA	3159		3785	1955	3983	3221	3.0-3.5
CAYENNE	96-108	MSU	2789	3274	3312	1975	3547	2979-2906	2.0-2.5
MSU R16503	105-108	MSU	2734		3538	1801	2894	2742	2.0-2.5
ROSETTA PINK	97-108	MSU	2388		2746	1662	3218	2504	2.0-3.0
S16808 PINK	100-108	MSU	2117		2786	1090	3258	2313	2.0-3.0
			lsd=624	lsd=419	lsd=518	lsd=716	lsd=486		
			cv=15.4%	cv=8.4%	cv=11.0%	cv=29.7%	cv=9.4%		

<u>BLACK</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	2017 AVE <u>4-2 LOC</u>	White Mold - <u>Lodging Rating</u>
ZORRO	99-108	MSU	1462	2383	3153	2223	1712	2519	2570-2836	2.4-2.0
ZENITH	99-109	MSU	1401	2360	3125	2690	1574	2587	2691-2856	2.8-2.0
LORETO	99-108	COOP-PRO	1800		3075		2237	3079	3077	2.8-2.5
SHANIA	104-108	ADM	2198		2918		2048	2928	2923	2.8-2.5
ECLIPSE	93-100	NDSU	1933		3138		2239	2768	2953	3.0-1.5
BLACK CAT	99-108	PROVITA	1531		2855		2434	2887	2871	3.5-2.5
BLACK BEAR 12576	105-110	PROVITA	2054		3227		1685	3019	3123	3.0-2.5
BL 13489	100-108	PROVITA	1844		3275		2185	3059	3167	3.3-2.5
BL 13490	100-108	PROVITA	2745		3465		2675	2478	2972	2.5-2.0
BL 13496	101-107	PROVITA	1896		2797		1918	2645	2721	2.0-2.0
BL 13503	99-105	PROVITA	1235		2809		1521	1683	2246	2.0-2.0
BL 13505	100-107	PROVITA	2566		3669		1963	2922	3296	2.0-2.0
BL 14496	102-110	PROVITA	2255		3352		2611	3289	3321	2.0-2.0
BL 14497	104-110	PROVITA	2464		3687		1812	3251	3469	2.0-2.0
BL 14498	102-106	PROVITA	2533		3425		2349	3297	3361	1.5-2.0
BL 14500	102-107	PROVITA	2443		3895		2779	3500	3698	2.0-2.0
BL 14504	104-108	PROVITA	2303		3453		2661	2699	3076	2.2-2.5
BL 14506	104-108	PROVITA	2738		3423		2249	2926	3175	2.5-2.0
BL 14510	104-109	PROVITA	1652		3071		2591	2150	2611	2.5-2.5
BL 14522	103-109	PROVITA	2402		3438		2127	2878	3158	2.0-2.0
MSU B15430	100-106	MSU	2436		3120		2403	3331	3226	2.0-2.5
MSU B15442	98-105	MSU	2443		3485		2892	3023	3254	2.0-2.0
MSU B16504	98-106	MSU	2799		3918		2599	3643	2781	2.0-2.0
MSU B16506	98-105	MSU	2251		3457		1741	3070	3264	2.0-2.0
MSU B16507	96-106	MSU	2166		3343		2687	2902	3123	2.0-2.0
ADM B8006282	101-106	ADM	1792				2144	2579		3.0-2.5
ADM B0040613	100-105	ADM	2324				2085	2739		2.5-2.0
ADM B1048276	101-104	ADM	2086				2180	2520		2.0-2.5
ADM B1048280	102-106	ADM	2024				2360	2675		
			lsd=606 cv-20.2%		lsd=456 cv-9.8%	lsd=612 cv-17.2%	lsd=905 cv-29.0%	lsd=458 cv-11.4%		

<u>PINTO</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>MONTCALM</u>	<u>SANILAC</u>	2017 AVE <u>4 LOC</u>	White Mold - <u>Lodging Rating</u>
ELDORADO	100-104	MSU	2773	2360	3305	2807	2811	2.5-3.0
LA PAZ	95-102	PROVITA	2195	2565	2269	2085	2279	3.5-2.5
MSU P14812	93-102	MSU	2119	2472	3063	1554	2302	3.0-3.0
MSU P14814	98-99	MSU	2114	2853	2257	2385	2402	4.0-3.0
MSU P16911	94-102	MSU	1877	3182	2269	2039	2342	4.0-3.0
WINDBREAKER	92-98	SEMINIS	1485	2050	2717	1406	1915	3.0-3.0
SV6139GR	95-98	SEMINIS	1310	1879	3123	1216	1882	2.5-2.5
RADIANT SD	92-102	PROVITA	1343	2990	3228	1534	2274	2.5-2.5
VIBRANT SD	93-99	PROVITA	1508			1573		0.0-2.5
			lsd=582 cv-21.5%	lsd=508 cv-13.8%	lsd=1059 cv-25.9%	lsd=930 cv-34.5%		

<u>GREAT NORTHERN</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>BAY</u>	<u>HURON</u>	<u>MONTCALM</u>	White Mold - <u>Lodging Rating</u>
POWDERHORN	95-100	MSU	1040	3327	2852	3.0-2.0
MSU G16301	96-100	MSU	1580	3345	2651	3.0-2.0
MSU G16346	98-104	MSU	2338	3166	1668	4.5-3.0
ARIES GN	100-102	PROVITA	1687	3230		2.0-2.0
DRACO	100-104	PROVITA	1934	3180		2.0-2.0
TAURUS	101-104	PROVITA	2239	3240		3.0-2.0
			lsd=474 cv-17.4%	lsd=554 cv-11.3%	lsd=949 cv-25.2%	

<u>CRANBERRY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>GRATIOT</u>	<u>MONTCALM</u>
ETNA	88-92	SEMINIS	2254	2986
CHIANTI vine	95-97	SEMINIS	2991	2893
BELLAGIO vine	96-98	MSU	2800	2868
14L1203B	92-93	USDA/MSU	2004	2495
VERO	90-91	ADM		3558
CR 151084	97-98	PROVITA	2906	3052
CR 151085	97-98	PROVITA	3111	3538
CR 151093	97-98	PROVITA	2918	2877
CR 151106	92-93	PROVITA	2394	2722
CR 151118	90-91	PROVITA	1759	2690
CR 151126	95-97	PROVITA	2944	3838
			lsd=644	lsd=864
			cv-17.0%	cv-19.6%

<u>LIGHT RED KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>GRATIOT</u>	<u>MONTCALM</u>
CALIF ELRK	88-90	CAL	2530	3547
CLOUSEAU	91-92	SEMINIS	2613	3942
INFERNO	99-104	OAC-HDC	3104	3566
MSU K15601	95-98	MSU	1996	2688
MSU K16640	95-97	MSU	2670	3220
MSU K16655	89-91	MSU	2706	3778
ROSIE	97-98	NDSU	2769	3100
BIG RED	93-95	PROVITA	2606	4067
LRK 06269	94-95	PROVITA	2546	3140
LRK 09360	97-102	PROVITA	3229	4013
LRK 09363	88-90	PROVITA	2575	3666
LRK 09378	93-96	PROVITA	2941	4053
LRK 15907	101-106	PROVITA	3112	3402
LRK 15926	101-105	PROVITA	2933	2982
			lsd=525	lsd=548
			cv-13.4%	cv-10.9%

<u>DARK RED KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>GRATIOT</u>	<u>MONTCALM</u>
RED HAWK	98-99	MSU		3162
MONTCALM	100-104	MSU		3141
RED ROVER	91-94	SEMINIS		3104
DYNASTY	97-99	OAC-HDC		3259
RED CEDAR	94-96	MSU	1890	2955
MSU K16121	97-99	MSU	2209	2910
MSU K16136	98-99	MSU		3900
GTS 104	100-102	GTS		3117
TALON	99-101	NDSU	2438	3004
CHAPARRAL	96-97	PROVITA		2995
EPIC 09430	95-97	PROVITA	2985	3249
DRK 09431	93-95	PROVITA	3448	3166
DRK 11479	94-97	PROVITA	2724	2956
DRK 13774	98-101	PROVITA		3034
DRK 15978	94-95	PROVITA		3316
DRK 15979	96-98	PROVITA		2623
DRK 15981	97-98	PROVITA	2797	2922
DRK 151011	88-90	PROVITA		3502
DRK 151021	97-99	PROVITA	3410	3077
			lsd=272	lsd=712
			cv-6.8%	cv-16.1%

<u>WHITE KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>GRATIOT</u>	<u>MONTCALM</u>
BELUGA	100-105	MSU		3033
SNOWDON	89-90	MSU		2958
MSU K15901	88-90	MSU		3194
MSU K16924	94-96	MSU	2570	3484
MSU K16962	100-103	MSU	2954	3258
MSU K16981	99-101	MSU	1932	3152
COB-212-03	105-107	GTS		2190
COB-228-03	96-98	GTS	2515	3244
YETI	103-105	HDC		3161
			lsd=474	lsd=641
			cv=11.9%	cv=14.3%

<u>TEBO</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>GRATIOT</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>White Mold - Lodging Rating</u>
FUJI	96-100	MSU	2168		1392	3.5-4.0
SAMURAI G12901	97-100	MSU	2680	2264	2591	3.5-2.5

ORIGIN KEY

MSU - Michigan State University
GTS - Gen-Tec Seeds LTD
SEMINIS - Seminis Seeds - Monsanto
ADM - Archer Daniels Midland-Seedwest
COOP - Cooperative Elevator Company
TVS - Treasure Valley Seed Company
CAL - University of California
USDA - US Department of Ag - ARS
NDSU - North Dakota State University
OAC-HDC - University of Guelph-Hensall District Coop
PROVITA - Provita Seeds

Maturity days = planting until harvest in 2017
Direct Cut Lodging Ratings = 1-erect, 5-laying flat on ground
White Mold Rating = 1-10% mold, 5-100% mold
White Mold Rating from Huron, Montcalm and Tuscola counties
Bay, Huron, Sanilac and Tuscola were direct harvested
Gratiot and Montcalm navies, blacks, pintos and sm. reds were direct harvested and large colored beans were hand pulled and harvested

