



<u>BLACK</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALPENA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	2015 AVE	White Mold
										<u>6-4 LOC</u>	- Lodging Rating
ZORRO	99-103	MSU	1697	2871	4083	3501	2174	2789	2479	2983-2910	1.8 - 1.7
SHANIA	102-107	ADM	1919	2795	3837	3044	2207	3082	2292	2876-2803	2.2 - 2.5
LORETO	99-105	COOP-PRO	1636	2785	3657	3342	2415	3541	2036	2963-2926	2.7 - 2.7
ZENITH	98-102	MSU	1858	3192	3678	3961	2511	3230	2275	3141-3165	2.7 - 2
ECLIPSE	98-100	NDSU		2894		3145		2671	2636	2837	2.2 - 1.7
BLACK VELVET	103-107	SEMINIS	1498	2677		3545			2397		2.5 - 3
BLACK CAT	101-102	PROVITA		2748		3624		2833	1886	2773	3 - 2.8
BL 11355	100-103	PROVITA		2562		3569		3238	2125	2874	3.3 - 2.8
BL 12576	102-106	PROVITA		3126		3811		3412	1987	3084	2.5 - 2.7
BL 13490	100-104	PROVITA		3032		3322		2758	2590	2926	2.5 - 2.2
BL 13500	99-103	PROVITA		2767		3658		2634	2172	2808	2.5 - 2
BL 14498	103-105	PROVITA		3443		3803		3399	3094	3435	1.7 - 2
BL 14504	99-105	PROVITA		3361		3042		3284	2379	3017	2.2 - 2
BL 14506	98-104	PROVITA		3351		3020		2826	2358	2889	2.8 - 2
BL 14510	99-105	PROVITA		3102		3569		3140	2300	3028	2.8 - 2.2
BL 14518	98-102	PROVITA		2774		3324		2612	2200	2728	2.3 - 2.2
BL 14520	100-104	PROVITA		2412		3227		3157	1908	2676	3.5 - 2.8
GTS-1103	100-105	GTS		3208	3717	3738	2655	2705	2341	3061-2998	2 - 2.8
ADM B8006282	95-100	ADM		3145		3336		2976	2597	3014	2.5 - 1.7
ADM B0042613	99-103	ADM		2820		3497		3123	2709	3037	2.5 - 2.2
ADM B0043647	97-102	ADM				3134			2119		2.3 - 1.8
SEM BKBC6V1312	98-100	SEMINIS				2900		2433	2314		2.5 - 1.5
MSU B12712	97-101	MSU	1358	2698		2067		1720	1926	2103	2 - 1.5
MSU B12724	96-101	MSU	1579	2661	3617	3232	2235	2932	2514	2865-2835	2.5 - 1.8
MSU B14302	99-102	MSU		2954		3020		3202	2793	2992	2.3 - 1.7
MSU B14311	100-104	MSU		2928		3365		3028	2797	3030	1.3 - 1.7
T-39	96-97	CAL	1724								2.5 - 3.5
			lsd=306 cv-12.1%	lsd=603 cv-13.4%	lsd=553 cv-9.7%	lsd=559 cv-11.9%	lsd=612 cv-17.2%	lsd=653 cv-17.8%	lsd=292 cv-8.8%		

<u>PINTO</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALPENA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	4 LOC	White Mold
										<u>4 LOC</u>	- Lodging Rating
ELDORADO	100-110	MSU		2921	3239		2335	3106		2900	2.5 - 3
LA PAZ	94-97	PROVITA		2563	3170		2244	3009		2747	3.7 - 2.7
LARIAT	95-99	NDSU		2224	3113		2420	2969		2682	4 - 3.5
MSU P14811	96-97	MSU		2202	3414		2201	2926		2686	4.5 - 2.5
MSU P14815	97-98	MSU		2158	3092		3012	2547		2702	4 - 2.5
Sem-PIN-DJ091012	90-94	SEMINIS		2320	2533						3.5 - 2.5
Sem-PINC6V1314	87-94	SEMINIS		2778	2356						4 - 2.5
				lsd=368 cv-9.3%	lsd=517 cv-11.6%		lsd=814 cv-21.6%	lsd=797 cv-17.8%			

<u>GREAT NORTHERN</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALPENA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	4 LOC	White Mold
										<u>4 LOC</u>	- Lodging Rating
POWDERHORN	91-93	MSU		2458		2954	1715				2.8 - 2.3
MSU G13444	91-94	MSU		2594		2835	2591				2 - 1.8
MSU G13479	92-97	MSU		2263		2945	1570				3.5 - 1.8
MSU G14506	92-99	MSU		2331		3154	2100				3.3 - 2.8
				lsd=419 cv-11.1%		lsd=410 cv-8.6%	lsd=730 cv-22.9%	lsd=971 cv-26.0%			

<u>TEBO</u>	<u>DAYS</u>	<u>ORIGIN</u>	<u>ALPENA</u>	<u>BAY</u>	<u>GRATIOT</u>	<u>HURON</u>	<u>MONTCALM</u>	<u>SANILAC</u>	<u>TUSCOLA</u>	<u>4 LOC</u>	<u>Rating</u>
FUJI	97-100	MSU		1519	3115		1771	2203			3.7 - 4
SAMURAI G12901	94-103	MSU		2643	3905		975	3437			3.3 - 2.2
MSU G14505	91-98	MSU		2383	2966		1941	2092			3.3 - 2.3
				lsd=427	lsd=623		lsd=865	lsd=587			
				cv-12.4%	cv-10.8%		cv-32.0%	cv-16.8%			
<u>ADZUKI</u>											
ERIMO	101-103	JAPAN			1256						
<u>CRANBERRY</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>		
ETNA	89-91	SEMINIS			3394		2916				
CHIANTI vine	99-101	SEMINIS			2826		2118				
BELLAGIO vine	102-103	MSU			3105		2046				
BRB-DJ091031	88-91	SEMINIS			2872		1740				
MSU C13413	95-96	MSU			3636		2797				
					lsd=689		lsd=417				
					cv-14.1%		cv-11.7%				
<u>LIGHT RED KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>		<u>BAY</u>	<u>GRATIOT</u>		<u>MONTCALM</u>				
CALIF ELRK	93-94	CAL			2422		2045				
PINK PANTHER	95-96	SEMINIS			2223		2592				
CLOUSEAU	95-97	SEMINIS			2581		2105				
INFERNO	102-104	OAC-HDC			3134		3145				
MSU K11709	90-93	MSU			2435		2348				
ROSIE ND 061106	98-101	NDSU			2562		2531				
BIG RED 09351	91-93	PROVITA			2361		2458				
LRK 09360	98-101	PROVITA			2581		1840				
LRK 09363	88-90	PROVITA			1950		1959				
LRK 09378	91-93	PROVITA			2476		2117				
LRK 06269	94-95	PROVITA			3055		3088				
LRK 09394	99-102	PROVITA			2532		2392				
					lsd=551		lsd=654				
					cv-15.2%		cv-17.5%				
<u>DARK RED KIDNEY</u>	<u>DAYS</u>	<u>ORIGIN</u>			<u>GRATIOT</u>		<u>MONTCALM</u>				
RED HAWK	96-99	MSU			2351		1754				
MONTCALM	98-102	MSU			2469		1643				
RED ROVER	90-92	SEMINIS			1996		3043				
DYNASTY	101-102	OAC-HDC			3639		2348				
MSU K11306	94-95	MSU			2964		1923				
MSU K14104	96-97	MSU			2549		1897				
GTS 104	102-104	GTS			3267		1968				
TALON ND061210	96-97	NDSU			2694		1743				
CHAPARRAL 09423	98-100	PROVITA			3029		1674				
DRK 09424	104-106	PROVITA			3445		2139				
DRK 09429	98-100	PROVITA			2535		2032				
DRK 09430	97-99	PROVITA			2687		2015				
DRK 09431	104-105	PROVITA			3402		2174				
					lsd=544		lsd=864				
					cv-13.3%		cv-31.8%				
<u>ALUBIA-W. KID.</u>	<u>DAYS</u>	<u>ORIGIN</u>		<u>BAY</u>	<u>GRATIOT</u>		<u>MONTCALM</u>				
BELUGA	95-100	MSU			1851		2340				
SNOWDON	90-92	MSU			1736		1362				
YETI	97-100	OAC-HDC			2198		2585				
MSU K12803	88-91	MSU			2211		2315				
MSU K13908	90-91	MSU			2083		1352				
MSU K14807	89-91	MSU			1469		1680				
MSU K14814	95-96	MSU			2281		2260				
					lsd=625		lsd=895				
					cv-22.9%		cv-27.5%				
							lsd=627				
							cv-21.6%				

## **ORIGIN KEY**

MSU - Michigan State University  
GTS - Gen-Tec Seeds LTD  
SEMINIS - Seminis Seeds - Monsanto  
ADM - Archer Daniels Midland-Seedwest  
HYLAND - Hyland Seeds, LTD  
COOP - Cooperative Elevator 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  
JAPAN - Japan Foods - Purity Foods  
Maturity days = planting until harvest in 2015  
Direct Cut Lodging Ratings = 1-erect, 5-laying flat on ground  
White Mold Rating = 1-10% mold, 5-100% mold  
White Mold Rating from Bay ,Tuscola and Huron counties

Alpena, 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

6 location average did not include Alpena  
4 location average Thumb and Bay county

### **Contact Information:**



Production Research Advisory Board  
Greg Varner, Research Director  
8439 North Blair Road  
Breckenridge, Michigan 48615  
Ph: 989-751-8415  
e-mail: varnerbean@hotmail.com