

Table: 2016-2017 Warm season crop sequence study, Moccasin, MT.

Treatment	Cover crop (CC)			Forage (FOR)			Grain (GR)			Wheat yield		
	SW1	SW10	NT1	SW1	SW10	NT1	SW1	SW10	NT1	CC	FOR	GR
	lb/ac									bu/ac		
Fallow	-	-	-	-	-	-	-	-	-	42.9	<b>43.0</b>	<b>44.3</b>
Browntop millet	95	426	485	537	990	750	-	-	-	-	-	-
Buckwheat	2328	1180	636	2368	885	-	119	-	-	41.5	<b>42.1</b>	<b>41.3</b>
Bush cowpea	467	783	397	1167	918	833	-	-	-	43.1	<b>40.9</b>	<b>42.3</b>
Corn	1661	1822	1592	<b>2981</b>	<b>4490</b>	<b>4787</b>	567	-	<b>992</b>	41.9	<b>38.5</b>	<b>42.3</b>
Corn + pinto	1773	<b>2567</b>	1008	<b>3797</b>	<b>3978</b>	3650	621	-	<b>1061</b>	39.7	<b>39.0</b>	<b>39.7</b>
CS cocktail	1818	2061	1291	2112	2204	1877	<b>1322</b>	219	29	39.3	<b>43.6</b>	<b>47.1</b>
Forage sorghum	1699	1261	703	2713	1631	1328	-	-	-	33.2	<b>42.5</b>	<b>36.8</b>
German millet	1193	1412	1119	2315	1658	2234	-	10	2	39.4	<b>38.6</b>	<b>45.3</b>
Grain sorghum	1762	1578	1421	1992	3022	2232	170	35	53	33.6	31.1	<b>36.0</b>
Hungarian millet	1980	1358	1427	2520	2008	2290	576	104	14	37.9	33.3	35.0
Mung bean	759	728	467	1606	1106	1041	13	-	-	42.8	<b>43.1</b>	<b>41.6</b>
Navy bean	1218	921	550	1290	1498	792	96	37	-	47.2	<b>46.5</b>	<b>48.7</b>
Pearl millet	869	948	616	1733	1690	1871	-	-	-	-	-	-
Pinto bean	1296	1007	457	1736	1396	869	154	79	93	44.1	<b>44.6</b>	<b>42.9</b>
Proso + pinto	1324	1250	982	1978	814	1321	99	-	45	41.9	<b>40.5</b>	<b>41.3</b>
Proso millet	2488	1192	1363	<b>3090</b>	1889	2366	73	193	-	34.5	28.3	30.4
Sorghum x sudan	1684	1153	777	2450	1855	1296	-	-	-	31.4	<b>34.8</b>	32.1
Soybean	1419	717	340	2182	1119	-	168	46	-	42.2	<b>43.9</b>	<b>44.7</b>
Spring pea	1316	2027	1723	1570	2367	1904	1008	306	124	49.6	<b>52.2</b>	<b>46.3</b>
Spring wheat	1463	1381	1156	1567	1800	1476	<b>1492</b>	<b>580</b>	313	40.8	<b>34.8</b>	<b>41.8</b>
Sudangrass	1728	1451	1125	2840	1714	1382	-	25	2	36.5	<b>35.5</b>	<b>36.1</b>
Sunflower	<b>3114</b>	<b>2655</b>	<b>3068</b>	2904	<b>4135</b>	3279	755	<b>757</b>	265	42.3	<b>41.5</b>	<b>40.6</b>
Teff	-	474	194	-	1651	280	-	-	-	-	-	-
Viney cowpea	705	644	406	1237	1301	863	-	-	-	43.8	<b>46.3</b>	<b>40.8</b>
WS cocktail	1925	1270	1284	<b>3124</b>	2034	1746	-	-	-	38.1	<b>37.8</b>	34.3
Mean	1503	1291	983	2159	1926	1759	482	199	249	40.3	40.1	40.5
CV%	29.2	27.0	31.0	27.2	39.0	24.0	40.2	91.7	56.8	19.8	16.3	15.0
LSD (0.05)	620	497	424	830	1056	607	310	263	204	NS	9.3	8.7
P-Value	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.113	0.001	0.001