

**Crop sequence study** at Central Ag Research Center, Moccasin, MT, 2016.

Crop	Cover Crop			Forage			Grain	
	Plant Count	Yield	AUM per Acre	Plant Count	Yield	AUM per Acre	Plant Count	Grain Yield
	plants/ft <sup>2</sup>	lb/ac	AUM/ac	plants/ft <sup>2</sup>	lb/ac	AUM/ac	plants/ft <sup>2</sup>	lb/ac
<i>Browntop Millet</i>	2.8	95	0.0	3.8	537	0.1	-	-
<i>Buckwheat</i>	19.8	2328	0.6	22.2	2368	0.6	22.3	119
<i>Bush Cowpea</i>	1.6	467	0.1	1.8	1167	0.3	-	-
<i>Corn</i>	1.3	1773	0.5	1.3	3797	1.0	1.3	621
<i>Corn+Pinto</i>	1.2	1661	0.5	1.2	2981	0.8	1.5	567
<i>CS Cocktail*</i>	14.5	1818	0.5	14.7	2112	0.6	15.1	1322
<i>Forage Sorghum</i>	11.7	1699	0.5	14.3	2713	0.7	-	-
<i>German Millet</i>	32.1	1193	0.3	27.6	2315	0.6	-	-
<i>Grain Sorghum</i>	8.1	1762	0.5	10.6	1992	0.5	8.4	170
<i>Hungarian Millet</i>	35.3	1980	0.5	35.8	2520	0.7	41.8	576
<i>Mung Bean*</i>	2.0	759	0.2	1.8	1606	0.4	2.2	13
<i>Navy Bean*</i>	2.0	1218	0.3	2.6	1290	0.4	2.8	96
<i>Pearl Millet</i>	4.7	869	0.2	4.6	1733	0.5	-	-
<i>Pinto Bean*</i>	1.8	1296	0.4	1.2	1736	0.5	1.6	154
<i>Proso Millet</i>	20.3	2488	0.7	24.2	3090	0.8	22.6	73
<i>Proso+Pinto</i>	4.3	1324	0.4	5.1	1978	0.5	4.9	99
<i>SorghumXSudan</i>	21.8	1684	0.5	22.4	2450	0.7	-	-
<i>Soybean*</i>	3.3	1419	0.4	3.8	2182	0.6	3.4	168
<i>Spring Pea</i>	7.2	1316	0.4	7.7	1570	0.4	7.8	1008
<i>Spring Wheat</i>	20.9	1463	0.4	22.3	1567	0.4	23.6	1492
<i>Sudangrass</i>	29.1	1728	0.5	23.1	2840	0.8	-	-
<i>Sunflower</i>	0.7	3114	0.9	0.8	2904	0.8	0.8	755
<i>Viney Cowpea</i>	2.0	705	0.2	2.0	1237	0.3	-	-
<i>WS Cocktail**</i>	3.8	1925	0.5	3.6	3124	0.9	-	-
<b>All</b>								
P-Value	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
Mean	10.5	1503.5	0.4	10.8	2158.8	0.6	10.7	482.2
CV%	49.3	29.2	29.2	47.7	27.2	27.2	35.3	40.2
LSD (0.05)	7.3	619.9	0.2	7.3	829.6	0.2	5.4	NS**

Note: AUM per acre = (lbs per acre dry forage) \* (35% grazing efficiency) / (915 lbs per AUM)

\*Wheat, barley, pea, lentil

\*\* Corn, sorghum-sudangrass hybrid, pinto bean, cowpea

\*Up to 85% grain harvest loss

\*\*LSD considered non-significant when grain yield CV% > 15