

Cover crop study at Central Ag Research Center, Moccasin, MT, 2016.

	Crop/Cocktail Name	Harvest Date	Plant Count	Yield	AUM per Acre
		M/D	plants/ft <sup>2</sup>	lb/ac	AUM/ac
Seeded 5/5	<i>Alsike Clover</i>	8/10	4.4	713	0.27
	<i>Alternative Cool*</i>	7/22	5.2	601	0.23
	<i>Canola</i>	7/5	11.0	725	0.28
	<i>Cool Season Cool**</i>	7/13	8.7	1126	0.43
	<i>Diversity Early*</i>	7/13	8.7	1034	0.40
	<i>Flax</i>	7/5	16.2	619	0.24
	<i>Oat</i>	7/13	26.1	1548	0.59
	<i>Purple Top Turnip Cool</i>	8/10	25.9	751	0.29
	<i>Radish Cool</i>	7/1	5.0	716	0.27
	<i>Safflower</i>	8/10	3.1	2008	0.77
	<i>Spring Pea</i>	7/13	4.4	944	0.36
	<i>Triticale</i>	7/5	15.1	1294	0.50
	<i>Vetch</i>	7/29	5.4	1678	0.64
	<i>Warm Season Cool**</i>	7/5	4.8	492	0.19
	Seeded 5/26	<i>Alternative Warm*</i>	8/10	3.2	1802
<i>Berseem Clover</i>		7/22	10.5	271	0.10
<i>Black Bean</i>		8/10	2.0	1214	0.46
<i>Chickpea</i>		7/13	2.4	584	0.22
<i>Cool Season Warm**</i>		7/22	12.1	1786	0.68
<i>Diversity Late*</i>		7/22	11.0	1697	0.65
<i>Fababean</i>		7/22	3.8	754	0.29
<i>German Millet</i>		8/10	10.7	2205	0.84
<i>Indian Corn</i>		8/10	1.0	2853	1.09
<i>Purple Top Turnip Warm</i>		8/10	8.3	234	0.09
<i>Radish Warm</i>		8/10	3.5	181	0.07
<i>Sorghum</i>		8/10	15.0	1901	0.73
<i>Soybean</i>		8/10	1.6	1187	0.45
<i>Sunflower</i>		8/10	0.2	1835	0.70
<i>Warm Season Warm**</i>		7/29	3.0	1284	0.49
<b>All</b>					
	P-Value	-	< 0.001	< 0.001	< 0.001
	Mean	-	8.0	1174	0.45
	CV%	-	40.2	34.2	34.2
	LSD (0.05)	-	4.5	564	0.22

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

\* Radish, purple top turnip, faba bean, black bean, teff, indian corn, sorghum

\*\* Radish, spring pea, canola, spineless safflower, oat

+ Radish, purple top turnip, spring pea, faba bean, chickpea, canola, spineless safflower, oat, sorghum

\*\* Radish, purple top turnip, chickpea, faba bean, sunflower, sorghum