

COVER CROPS 50 ft x 50 ft test plots

| | | | | | | | |
|--|----------------------------|---|---------------------------|--|----------------------------|--|--------|
| planted July 2015 Graze #1 Cover Crop Sorgum-sudan Hyb Pearl millet Cowpeas Mungbean Radish driller Pasja Hyb Brassica Inoculant | \$8.34 | planted October Graze #2 Cover Crop Cereal Rye Winter Oats Austrian Winter Peas Crimson Clover Turnip innoculant | \$6.55 | planted May2016 Graze #3 Cover Crop Spring Oats Pearl Millet Forage Sorghum Cow Peas Lespedeza Buckwheat Burkant Turnip inoculant | \$7.40 | planted August 2016 Graze #4 Cover Crop Oats Rye Crimson Clover Hairy Vetch Radish Turnip | \$6.00 |
| note: seeder to broadcast | | ground driven | | behind tub | | to graze #3, used | |
| DRUMM | Grazed: Sept. 1-4, 2015 | HALLAR | Grazed: Sept.2-6, 2015 | LINWOOD | Grazed: Sept. 6-10,2015 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| | Cover Crop | Pasture | |
|--------------------|--------------|-------------|---|
| SAMPLE | 14 | 6 | Total lbs Forage/Ac x Ac x % Grazing Efficiency |
| CALCULATION | 10 | 14 | Animal Wt. x Intake rate in % Body Wt. X animal # |
| GRAZING | 12 | 16 | 2800 lbs/Ac x .057 Ac x 30% = 47.88 |
| STICK | 12 | 9 | 75 # x 3.5% body wt X 5 animals = 13.12 47.88/13.1 =3.65 days |
| | 13 | 8 | |
| | 11 | 8 | 2100 lbs/Ac x 0.057% x 30% = 35.91 |
| | 13 | 9 | 77.7 # x3.5% x 5 animals=13.60 35.91/13.60 = 2.6 days |
| | 85 | 70 | |
| | 12.14285714 | 10 | average forage height |
| | 12-4 = 8 in. | 10-4= 6 in | grazable forage, leaving 4 inches for regrowth |
| | x 350 | x 350 | Quality (350 is the estimated dry matter in pounds per inch) from Grazing stick, lbs/Ac |
| | 2800 lbs/Ac | 2100 lbs/Ac | |