

Farm Research at Kochis Farms in Colorado

Proso Millet Crop in Eastern Central CO

Test: SoilBiotics Organic  Seed Treatment*

Planted: 5/30/2013

Harvested: 10/01/2013

Variety: Huntsman

Plot Size: 120 acres

Previous Crop: 2012 Convention Cut Wheat Stubble

Moisture:

Rainfall April 2013 to August 2013 = 9.07 inches

Rainfall January 2013 to August 2013 = 11.45 inches

Irrigation: None

Fertilizer Applied: Spring starter 2 gallon/acre 8-20-0 5(s)-.5 (ZN) and 2 gallon 32% N/ Total 4 gallon /acre

Herbicide: Spring 24 oz RU/4 oz 2-4D/2 oz Banvel/1/2 lb Atrazine – All Preplant

Tillage Type: Minimum – Disced August 2011 once

Population: 11 lbs/acre

Results:

South 40	26.44 bu/ac
Middle 40	25.51 bu/ac
North 40	32.43 bu/ac
Average of 120 acres	28.10 bu/ac

Proso Millet cash price is around \$5.00/bushel so this provided for a \$20 - \$40 per acre increase gross income.

Cost of treatment was \$1.73/acre. With SoilBiotics Organic  Seed Treatment's* suggested retail of \$250/gallon divided by 128 oz/gallon, comes to \$1.95/oz. Rate was 3 oz/50 lbs of seed (1 bushel of millet). Therefore 3 oz of SoilBiotics Organic  Seed Treatment* x \$1.95 = \$5.85.

Mobile Seed Treater charged \$2.00/bushel to treat seed. Total cost per bushel was \$7.85. Divide that by 50 lbs, is \$.157/pound to treat millet. We planted 11 lbs of Proso Millet per acre so 11 times \$.157 comes to \$1.73 per acre to treat Proso Millet.

*X-Cell Seed Treatment renamed SoilBiotics Organic  Seed Treatment February 2014



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Proso Millet Crop in Eastern Central CO

Test: Untreated Seed

Planted: 6/1/2013

Harvested: 10/3/2013

Variety: Huntsman

Plot Size: 130 Acres Not Seed Treated

Previous Crop: 2012 Conventional Cut Wheat Stubble

Moisture:

Rainfall April 2013 to August 2013 = 10.07 inches

Rainfall January 2013 to August 2013 = 12.45 inches

Irrigation: None

Fertilizer Applied: Spring Starter 2gal/Acre 8-20-0-5(S)-.5(Zn) & 2 gal 32% N / Total 4 gal per acre

Herbicide: Spring 24 oz RU/4 oz 2-4D/2 oz Banvel/1/2 lb Atrazine – All Preplant

Tillage Type: Minimum – Disced August 2011 Once

Population: 11 lbs/acre

Results:

Total 130	20.58 bu/ac
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