



Winter Canola harvest comes ahead of winter wheat by 2 weeks. A major point and allowing a double crop opportunity.

By the Numbers....what kind of return can we expect?  
 Dale is planning for an early June harvest at 2,500 lb./a crop or 50 bushel/a...a good price would be 18 cents per bushel or \$9.00 per hundred lbs. with the oil premium.

This is \$450 per acre gross potential. He spent \$35 for TATS fertilizer or about 8% of the gross income. Plus Winter Canola hits the market early and well ahead of spring canola by 2 months, soybeans by 3 months, and sunflowers by 4 months.

Dale used a strong rate of Thio-sul® to assure a protein building high oil content seed. The premium is presently 15 cents per bushel per 1% above 40% oil seed content. The North American market focuses on a 45% oil content Canola.

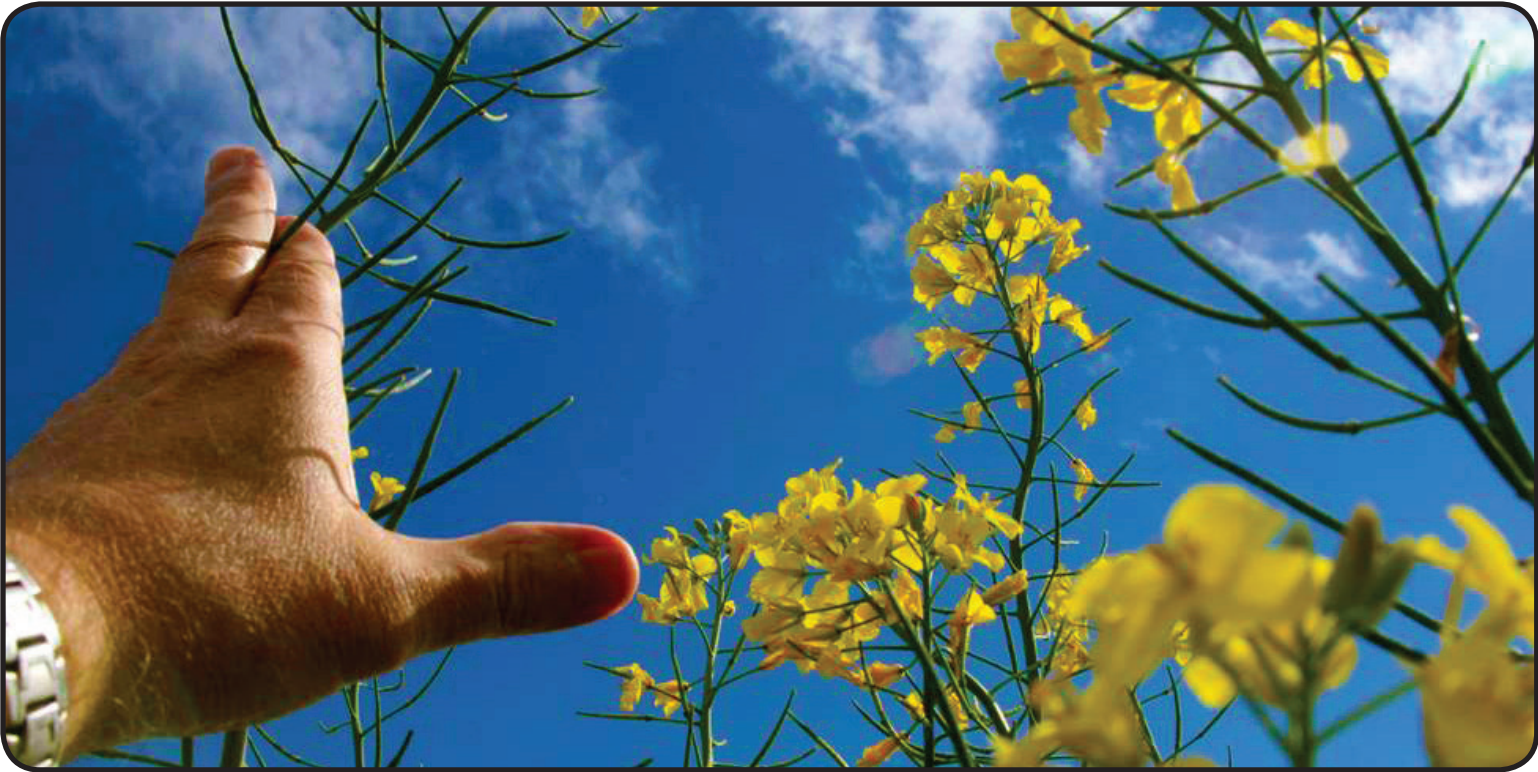
**Note: Giant Winter Canola.** Use of Thio-sul in the PNW is common. In the PNW, 2014 Winter Canola from Rubisco has made very high oil content at 55% in some cases with deep and high fertility Palouse soils in a winter rainfall climate. Yields at the University of Idaho variety plots at Genesee show chem-fallow yields as high as 6,900 lbs. per acre in 2014. Plant heights of certain varieties in 2016 were over 7.5 feet (92 inches).



# Technology At Work

## Advanced Technical News For Great Plains Producers

High Oil Content Winter Canola, Exactrix TATS Side Dress Growing Canola with Thio-sul®, NH3, cZn. Exactrix Update and Meeting at Hugoton, Feb. 28, March 1, 2017.



Pictures, Feb. 24, 17,  
 Mustang Banding Event. Feb. 13, 17

Dale Bathurst at Abilene, KS, Mustang Banded TATS to the 7 inch depth between 30 inch rows. The band width is 15 inch spacing allowing the TATS bands to surround the plant root system. Chelated Zinc was used with Thio-sul® and NH3. Boron will most likely be foliar applied with KTS and a fungicide at first petal crop in mid-April.

Physically the soil received a true No-tillage deep banding in moist soil. The vermiculated bands are in 7 inch depth with P-51, Mustang C series openers at 65 lbs. N/a as NH3, Total 73 lbs. N/a, and 7 gallons Thio-sul® or 7.7 lbs. N/a as Thio-sul® and 20 lbs. Sulfur as Thio-Sul®. No 10-34-0 was applied at this time since the following crop with receive TAPPS. A summer double crop such as soybeans is planned in dryland double crop.

Why use sulfur? Protecting oil content potential assures the fertilizer bill will be paid with the protein premium. The soil test showed a good value for P and about 35 lbs./a of soil stored S.

Riley Winter Canola gets a “ Mustang Haircut.” As shown the loose, surgical cut, dead leaves of the winter Canola were wind-blown to other areas of the field.



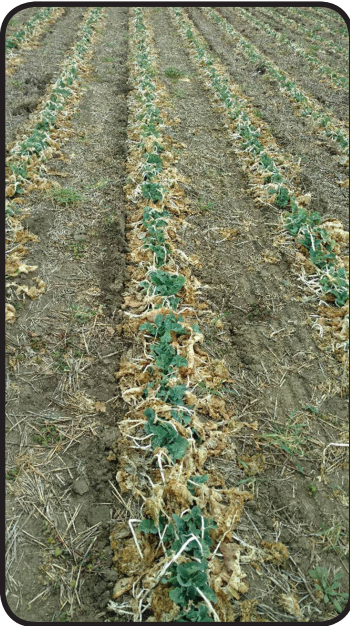
Kansas producers have not been using higher rates sulfur to raise protein or oil content. TATS using Thio-sul® will assure oil content. The crushing plant at Goodland, KS, ADM has been offering a premium to get producers to deliver at a least 40% and much higher to 45% which is considered nominal.

Dale was well pleased with his new crop and side dressing Mustang TAPPS tool bar in winter Canola. He shifted chemically dropping APP and advanced to a better bottom line using Thio-sul® to make TATS.

The typical application rates for TATS and TAPPS in irrigated production winter Canola 80 bu./a are about double of the numbers disclosed, 120-10-10-30S, 1Zn, 1/8B, 1/2 Cu. Exactrix producers spend no more than 8 to 10% of the gross for nutrients to produce high yields and good oil content. Top dressing producers spend up to 3 times more for nutrients and often have much lower yields winter kill problems. 32-0-0 should not be used with winter Canola unless it is a salvage operation.

Irrigated Winter Canola can also be double cropped immediately after Harvest, allowing **Rotational Band Loading** and improved use of placed nutrients from TAPPS and TATS. Thio-sul® stabilizes N and makes micro nutrients available and it also assure both Sulfate and Sulfur availability for high protein and good quality oil seed.

Drill seeding is not used. By using a planter the planting costs are greatly reduced by around \$20 per acre less cost for high quality open and hybrid seed crosses.



Guy, From Dale Bathurst.  
We tried to take an assortment of pics.  
A couple are with the canola in the middle of the 2 bands like they should be. we had a very strong wind yesterday and the leaves that got sliced off blew away!

There is 1 pic is of the band down the center of the canola row....plant still looks good.  
There is 1 pic is in the turn rows at the end with the plants in the track skid turn, plants mostly look ok.  
Also note at least 1 is in the track/tire track with the rig running straight crossing the row at the end and the canola looks mostly ok.  
I am not sure if running on the row will really matter?  
NH3 at 65 lbs. N per acre in band of TATS. No 10-34-0 , Banded Monday Feb. 13, 17.  
Variety is KSU Riley.  
Tractor is belted Deere 8295 RT.  
Pictures dates are Feb. 24, 17.

I ran 7 gal ATS, 1 qt. Zn, no 10-34-0 per soil test being high.  
For more news or if you have questions about anything call me. *Dale B.*



Pictures inclusive of side dressing Winter Canola. Variety Riley.

On top of the row...at 11 days after the side dress event. Side dressing went smoothly.  
Right over the top of terraces.Leaves that were cut blew away in windstorm.  
Temperatures drop to about 22 degrees F when the pictures were taken on Feb. 24. 17  
Pictures tell the story, you can run at 5 degree angles to the rows, if you so elect.  
Not critical as crop seems to recover with a belted tractor.  
Dale says, “ It is just fine with his tractor and tool bar to run over the top. “ May not be true for others...he is pretty unique.



Belted Tractor on top of rows.



Tractor Tracks about 11 days after side dress.  
8295 RT Deere Belted.



Mustang Banding for 30 inch winter Canola rows.  
The 30 foot bar has 15 inch band spacing., P-51C Mustang Openers.

A new belted tractor was used in 2 point lift assist. 8295T, Up to 10 mph banding speeds on large fields of winter wheat. Canola was banded at 7 mph due to terraces and short runs.No growth regulator was applied in late September.

The 30 inch winter canola rows did not quite close off last fall. Spring Wake-up Call, banded deep, No top dressing. Winter Wheat as TAPPS askew to rows and Winter Canola as TATS indexed side dressed Feb. 13 to Feb 15. Winter Canola was index side dressed with good results and no concern about semi dormant winter Canola damage as observed by Dale Bathurst of Talmadge, KS, Abilene area.

See you in Hugoton, Golf Course, Feb.28 and Mar.1 for the next Winter Canola Clinic, side dressing and fertilizing Canola.