

# TSM<sup>®</sup> Infarmation Newsletter

June 2011

**Unlock the Potential For Higher Yields**

TSM Services, Inc is dedicated to providing growers and farmers the absolute best soil fertility programs today. The TSM<sup>®</sup> goal is to provide a program that is agronomically sound, economically justified, and environmentally friendly. Our fertility programs are proven to meet all three standards, with 18 years of research to back all of our claims.

For further information. Feel free to call us during business hours at 1-800-626-3806, or visit us on the web at [www.totalsoil.com](http://www.totalsoil.com)

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 "Fertilizer Efficiency"

**MORE 2010 PLOT RESULTS**

In this issue of the *TSM<sup>®</sup> Infarmation Newsletter*, I want to report on the use of liquid starters (applied 2 inches over and 2 inches down from the seed) and liquid germinators (can be placed directly on the seed).

Here at Catlin, Illinois, we find farmers generally not using either a starter or a germinator. I am not sure how many additional bushels you would have to harvest to make their time worth it. Speed seems to be the most important thing. Using a starter/germinator means more cost for equipment, time to fill the tank(s) and etc.

Perhaps the increasing price of grain will change all of this!

In these trials, we used 2 hybrids (57V40 & 57V59), the rate of the germinator was 3 gallons per acre placed on the seed and each hybrid had 4 replications. The cost of the germinator is approximately \$ 5 per gallon.

**What Makes TSM<sup>®</sup> Different?**

**"Fertilizer Efficiency"**

The benefits of a starter/germinator

**Liquid Germinator versus no germinator**

Treatment	Plot#	Yield		Ave Yield 2 Hybrids
		Hybrid 57V40	Hybrid 57V59	
<b>With Germinator</b>	<b>102</b>	<b>243</b>	<b>245</b>	<b>244</b>
	<b>202</b>	<b>247</b>	<b>242</b>	<b>239</b>
	<b>302</b>	<b>211</b>	<b>225</b>	<b>218</b>
	<b>402</b>	<b>234</b>	<b>242</b>	<b>238</b>

**Mean Yield 235**

<b>Without Germinator</b>	<b>101</b>	<b>232</b>	<b>235</b>	<b>234</b>
	<b>201</b>	<b>233</b>	<b>228</b>	<b>231</b>
	<b>301</b>	<b>200</b>	<b>223</b>	<b>212</b>
	<b>401</b>	<b>225</b>	<b>225</b>	<b>225</b>
			<b>Mean Yield</b>	<b>225</b>

Very quickly you can see an advantage for using the liquid germinator of 10 bushels per acre. (\$235 – \$225 = +\$10) Your profit would look like this based on your selling price for corn and the number of acres you farm:

	\$4/bushel	\$5/bushel	\$6/bushel
10 more bushels	+\$40	+\$50	+\$60
Cost of germinator	-\$15	-\$15	-\$15
Net Profit per acre	+\$25	+\$35	+\$45
2000 acres	+\$50,000	+\$70,000	+\$90,000

You fill in your acres and then see if you think it is worth it! I think it looks mighty good!!

**BY THE WAY – THIS GERMINATOR WORKS ON SOYBEANS TOO!!**

**TSM<sup>®</sup> LIQUID  
GERMINATOR/STARTER  
8-18-3 W/ MICROS**

**N = 8.00%**  
**P<sub>2</sub>O<sub>5</sub> = 18.00%**  
**K<sub>2</sub>O = 3.00%**  
**S = 1.25%**  
**B = .05%**  
**Cu = .05%**  
**Mn = .09%**  
**Zn = .20%**

Contains TSM<sup>®</sup> Soil Surfactant

I plan on bringing you many more pieces of Information, the purpose of which, is to convince you that "we are different and better".

Why don't you try us and see?

**"GOLD" Program**  
**"SILVER" Program**  
**"BRONZE PLUS" Program**  
**"BRONZE" Program**

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[www.totalsoil.com](http://www.totalsoil.com)    [www.agronomy-online.com](http://www.agronomy-online.com)

**TSM<sup>®</sup> Micro Boost Foliar**

**Next Generation Foliar Micronutrients**  
Minimum Guaranteed Analysis 4-0-0

Nitrogen (N) .....	4.00%
4.00% Urea Nitrogen	
Sulfur (S) .....	3.00%
3.00% Combined Sulfur	
Boron (B) .....	0.25%
0.25% Water Soluble Boron	
Copper (Cu) .....	0.25%
0.25% Water Soluble Copper	
Manganese (Mn) .....	3.00%
3.00% Water Soluble Manganese	
Zinc (Zn) .....	3.00%
3.00% Water Soluble Zinc	

Derived from Urea, Zinc Sulfate, Manganese Sulfate, Boric Acid and Copper Sulfate