

# Recommendations

## TSM® Soil Fertility Program:

*TSM® has a PROPRIETARY fertility program with unique calculation formulas. For 18 Years, research has shown that the full TSM® Program OUT-YIELDS competitive programs, including university and flat spread programs, 88% of the time.*

### Our Goal:

*Help our customers reach their goals with their budget.*

*We offer a balanced fertility plan for each farm by field, by grid, and by crop. We customize the program to fit what you need!*

### Our Fertilizer Recommendations Can Include:

DAP, Potash, Micros, Pelleted Lime, Ag Lime, Starter/Germinator Liquid, TSM® Dry Pre-Mix

*TSM's Balanced Fertility has proven to better withstand stressful crop conditions caused by weather extremes, therefore, providing a better outcome!*

*Let TSM® get you there!*

TSM's Interpretation of :

## Balanced Fertility



## TSM® takes University standards and raises it to another level!

*We are thankful to Universities for the knowledge and research they have provided, which has allowed TSM® to build on to and create the highest-yielding soil fertility program available!*

*"Healthy plants are better equipped to cope with diseases, injury, extremes in temperature or moisture or with an imbalance of certain inputs. BALANCED NUTRITION is a vital part of crop stress protection."*



### How to Achieve Balanced Fertility:

- soil analysis
- plant analysis
- past experience
- crop nutrient requirements
- yield and quality goals

### How does TSM® "Balanced Fertility" differ?

*TSM® believes in different ratios of nutrients than others which provides increased nutrient availability to the crop is adequate throughout the growing season which will increase yield and reduce production costs!*



Contact: 1(800) 626-3806

Check out our 18 year research @

[www.totalsoil.com](http://www.totalsoil.com)



# Recommendations

## Offered Recommendations:

### 1. Total Soil Management® - Highest Yielding

Proprietary calculations including dry micronutrients pre-plant



### 2. Head Start

Identical to Total Soil Management® in calculations, but without dry micronutrients

### 3. 50/50 Rec.

Includes TSM® propriatry calculations from 50% of your soil test levels and 50% from Crop Nutrient Removal from yield maps.

### 4. University of Illinois Agronomy Handbook

### 5. Tri-State - Purdue, Ohio State, and Michigan State University

### 6. Customized Soil Fertility Program

Includes nutrient removal

Although, TSM® fully believes in our top-yielding proprietary program, we do offer other recommendation programs to accomodate to the grower's wishes and goals.



Our UNIQUE calculation is SOLID and ONLY used by TSM Services, Inc.!

1993-2010 TSM Soybean Fertility Trials

Soybean Yields (bu/acre)							
Trt	1993	1994	1995	1996	1997	1998	1999
TSM A	57	58	43	53	64	52	72
<b>TSM E</b>	<b>62</b>	<b>73</b>	<b>44</b>	<b>57</b>	<b>61</b>	<b>55</b>	<b>72</b>
TSM I	58	65	40	54	60	52	62
U of IL	56	65	38	56	57	52	65
Tri-St.	57	64	38	56	54	53	66
Conv.	56	59	41	55	60	53	70

Trt	2000	2001	2002	2003	2004	2005	2006
TSM A	60	66	76	54	72	69	63
<b>TSM E</b>	<b>64</b>	<b>65</b>	<b>75</b>	<b>58</b>	<b>74</b>	<b>70</b>	<b>64</b>
TSM I	55	63	72	55	71	69	62
U of IL	60	60	67	54	68	64	63
Tri-St.	59	62	72	57	71	64	63
Conv.	60	63	66	55	70	68	62

18 Year Average Fertilizer Programs Compared  
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TSM Corn Fertility Trial 1993-2010

Corn Yields (bu/acre)							
Trt	1993	1994	1995	1996	1997	1998	1999
TSM A	140	202	160	152	175	174	217
<b>TSM E</b>	<b>135</b>	<b>216</b>	<b>163</b>	<b>161</b>	<b>185</b>	<b>173</b>	<b>217</b>
TSM I	135	202	157	146	169	163	210
U of IL	127	209	160	151	182	170	215
Tri-St.	128	208	160	142	173	169	214
Conv.	125	205	160	154	180	170	213

Trt	2000	2001	2002	2003	2004	2005	2006
TSM A	191	191	188	218	193	202	206
<b>TSM E</b>	<b>189</b>	<b>188</b>	<b>189</b>	<b>222</b>	<b>194</b>	<b>201</b>	<b>208</b>
TSM I	183	178	182	217	190	190	201
U of IL	178	186	181	218	185	196	198
Tri-St.	178	182	180	215	191	191	201
Conv.	182	187	179	214	188	195	197

Trt	2007	2008	2009	2010
TSM A	69	65	65	65
<b>TSM E</b>	<b>68</b>	<b>68</b>	<b>69</b>	<b>69</b>
TSM I	67	67	66	66
U of IL	64	63	64	64
Tri-St.	63	62	66	66
Conv.	67	64	65	65

18 Yr Mean	Trt
<b>62</b>	TSM A
<b>65</b>	<b>TSM E</b>
<b>61</b>	TSM I
<b>60</b>	U of IL
<b>61</b>	Tri-St.
<b>61</b>	Conv.