

Denny Wildman

From: Denny Wildman
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To: Denny Wildman
Subject: ROOTS, SHOOTS & FRUIT: #8 "Let's THINK FALL"

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▶ **Roots, Shoots, and Fruit**

Agronomic Tips from Denny Wildman



Let's Think FALL !

Would you agree that there's no better time than the Fall for reflection ? What did we do right? What can we improve on?

Isn't that why we love what we do? Like when our favorite team doesn't make the playoffs – **"There's always next year"** No matter if you're a crop advisor or a grower – you're probably **working on next year's plan.**

The big or little adjustments you can make with the things you control - or don't. Yes, there's that. The stuff we can't control. It's become our norm – to strategically plan and prepare ourselves for the unknowns, or what I like to call the **"What If's"**.



... **our goal is to create a greater number of fall tillers in wheat ?**

- Add **Stimulate/X-Cyte** to liquid fertilizer - or impregnate onto your dry fertilizer program.

- X-Cyte at 10 oz/acre and Stimulate at 2.5 oz/acre

The process of impregnating dry fertilizer is a very effective method. 250-300 # fertilizer impregnated with a total of 12.5 oz works well for a uniform application.



... **improved BIOLOGICAL activity of the soil is desired to enhance earthworm hatch and activity.**

Did you know that earthworm eggs can lie dormant in your soil for many years – and only hatch when the soil becomes biologically active. ([check out this video of hatching earthworms](#))

- **SP-1**, applied at 2-3 gal/acre broadcast
 - Apply to soil with water, a liquid fertilizer, or pre-emergence herbicide



... **the residual effects of a herbicide is still active in your soil.**

- Apply **Bio-Forge** as a seed treatment. ([Click for more info](#))
- **X-Tra Power**, 24 oz/acre and **Bio-Forge**, 8 oz/acre post-applied to any Fall grain crop



... **the soils are heavy like clays or conditions at planting are less than ideal.**

- Seed treat **Bio-Forge**
 - **Bio-Forge ST**, 2 oz/cwt
 - **Bio-Forge**, 4 oz/cwt
- Impregnate Fertilizer
 - **Stimulate** 2.5 oz/acre
 - **X-Cyte**, 10 - 12.5 oz/acre total
- For improving soil structure resulting in many positive soil structure benefits

- **SP-1**, 2-3 gal/acre



... the wheat crop is planted early with weather conditions that encourage undesirable growth.

This undesirable growth encourages freeze out and weaker root development. To correct this, do a foliar application after fall tillers are established, preferably 1-2 weeks prior to a hard freeze.

- 1 pt/acre **Sugar Mover**
- 2 qt/acre **Sugar Power**



RESIDUE and SOIL BIOLOGY

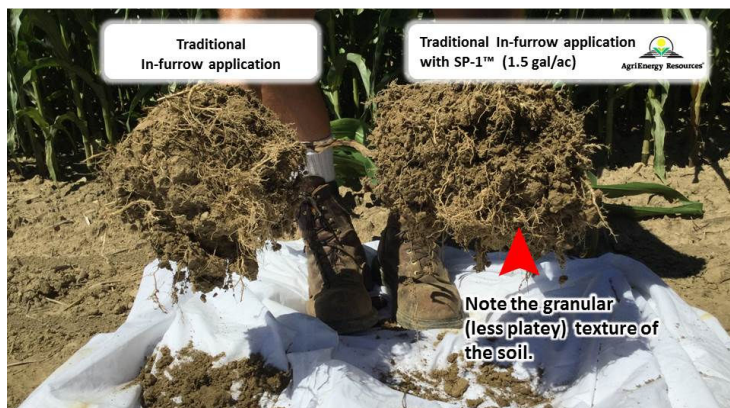
This time of year, many growers are looking to accelerate stalk breakdown, as some are reporting that residue may remain in the field for up to 3 years. Once again, the lack of soil biology is likely a problem. [\(see large photo\)](#)

Growers are finding that an application of **SP-1** as a broadcast spray prior to working the stalks is a **WIN-WIN**, as it triggers an increase in earthworms which in turn works to increase soil biology.

The preferable SP-1 application rate is 2-3 gal/acre. SP-1 can be applied with fertilizer containing nitrogen/sulfur, or with your fall herbicide. Across the board, it's always a good idea to include a cover crop of some variety.

I believe that the greatest mileage comes from three key components:

- **Fertilizer,**
- **Roots, and**
- **SP-1**



... all working together to encourage greater biological soil action. ([see large photo](#))

Biology is the key to
ENHANCING the PRODUCTIVITY of your SOIL.

Let's Talk Forages ! (Grass - Mixed Hays - Alfalfa)

Drive energy from the tops to the crowns and roots for

- Reduced winter injury
- Improved crown strength
- Retained number of stems per crown
- Enhanced production of quality forage the following year

Alfalfa - Clover - Primary Legume mixes

- 3 pt/acre Sugar Mover
- 1 qt/acre Sugar Power

Grasses - Primarily grass stands

- 2 qt/acre Sugar Power
- 1 pt/acre Sugar Mover



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