



NutriSolutions®
By WINFIELD

Donovan Farmers Co-op: Tissue Sampling Program

Instructions:

COMPLETE DIRECTIONS ON THE WINFIELD FERTILIZER GUIDANCE

(A) IF SAMPLES HAVE FERTILIZER, SPRAY OR DUST REMOVE IT ON TISSUE WASH OR Wipe THE TISSUE AND DUST OFF WATER ONLY

(B) REPORT ON TA ONE OF THE FOLLOWING WAYS

1. USE THE NUTRIENT TISSUE ANALYZER PHONE APP TO SCAN THE BELOW BARCODE & FOLLOW DIRECTIONS

2. ENTER THE FERTILIZER INFORMATION AT WINFIELD FERTILIZER

3. FILL OUT A PAPER SUBMISSION FORM AND PHOTO IMAGE EACH SAMPLE

(C) PLACE SAMPLES IN BAG AND AFTER SHIPPING LABEL, SEND TO LAB EARLY IN THE WEEK FOR BEST RESULTS

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**PLANT TISSUE
SAMPLE BAG**

GROWER NAME: _____

FIELD NO: _____

CROP: _____

STAGE: _____

SCOUTER NAME: _____

PHONE: _____

EMAIL: _____

DO NOT DELETE

SCAN BARCODE (WASH NO. 1) OR USE FERTILIZER APP

111000001

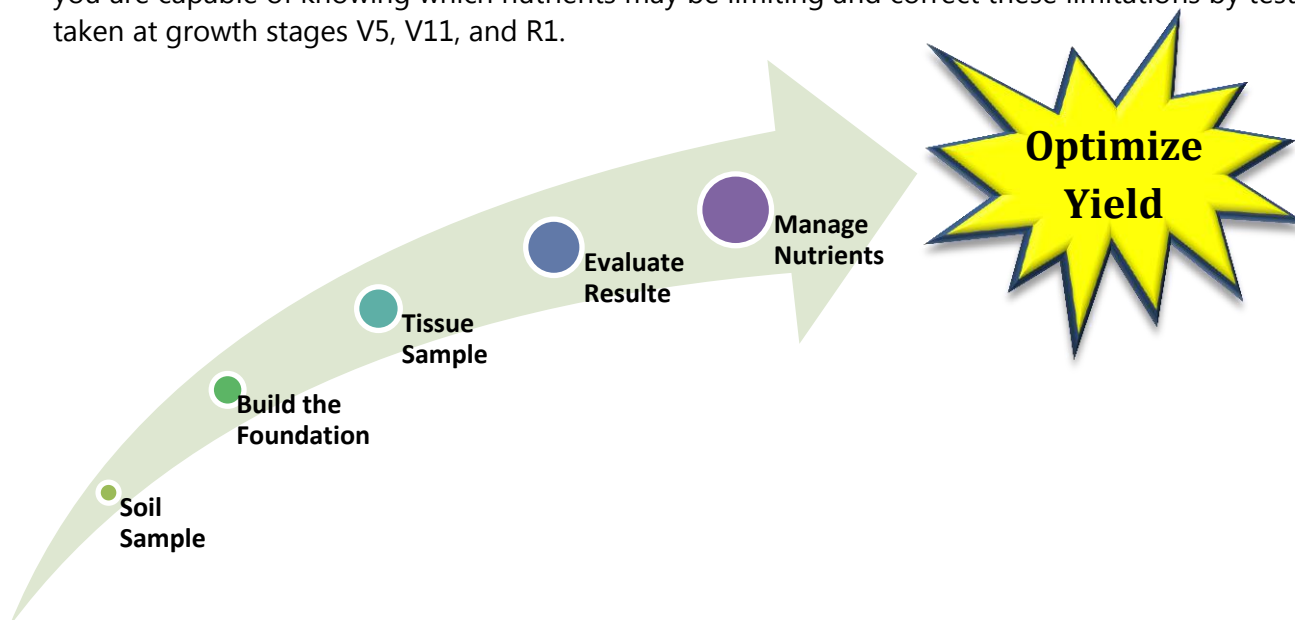
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Allow your crop's tissue to do the talking and let you know what nutrients are deficient before visual symptoms start to show. Tissue samples are a great tool used to help maximize genetic potential as well as optimize your fertilizer resources by unlocking potential limiting factors like zinc deficiency..

Soil sampling is a good way to find out what is in the soil and help you build the foundation of your fertility program. However, soil sampling is only the first chapter of the fertility story for each growing season. Weather and soil conditions can interfere with the availability and uptake of nutrients. Tissue testing often creates an opportunity for correction and recovery of lost yield potential.

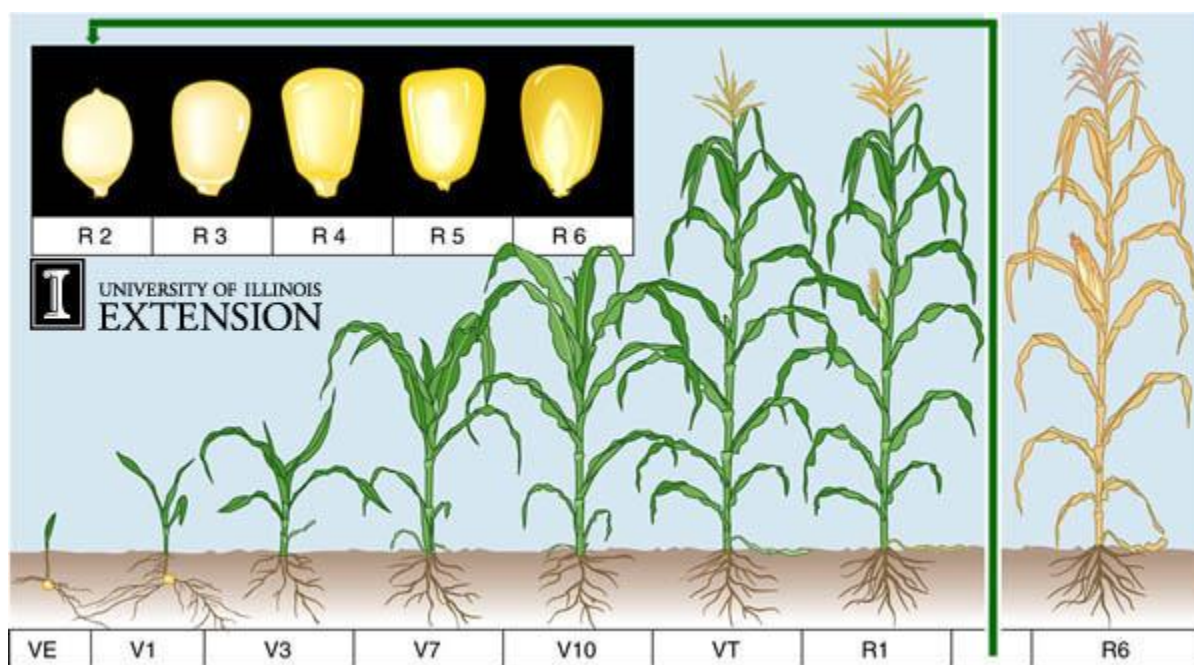


Different growth stages in every crop require specific nutrients. By being proactive through tissue sampling, you are capable of knowing which nutrients may be limiting and correct these limitations by testing samples taken at growth stages V5, V11, and R1.

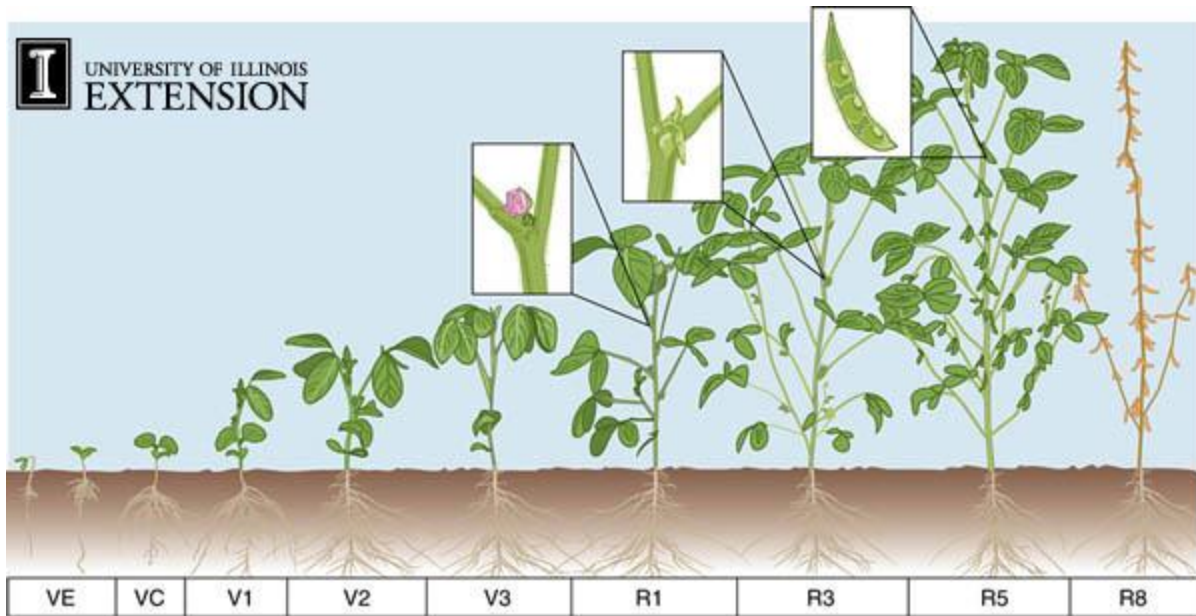


Acres	Sample Stage	Number of Samples	Price
200+	V5, V11, & R1	4+	\$2.00/Acre
150-199	V5, V11, & R1	3	\$2.10/Acre
100-149	V5, V11, & R1	2	\$2.20/Acre
50-99	V5, V11, & R1	2	\$2.50/Acre
Less than 40	V5, V11, & R1	1	\$90 Flat Rate

Crop yields are restricted by the nutrient in shortest supply, including micronutrients. Don't let your crop's story end with less than optimal yield due to nutrient shortage.



NutriSolutions® Tool pinpoints nutrient deficiencies at critical growth stages so we can make adjustments before yield potential is compromised. The reason for an early sample at V5 in corn is to determine what nutrients may be limiting plant growth and development. This gives us an opportunity to correct with a in-crop/over the top application. V11 allows us to determine if the crop has the nutrients it needs, especially sulfur and boron – essential nutrients for pollination and grain fill R1 testing allows us to determine the effectiveness of previous adjustments we made earlier on in the growing season and to learn what changes we made need to make in our nutrient management planning. As plants transition into a reproductive stage, we can defend yield by adding nutrient(s) into an aerial application.



We cannot forget about soybeans! Over the years soybeans have been neglected when it comes to fertilizing before the crop is planted. Soybeans have shown a significant response to an application of certain nutrients at different growth stages. We have an excellent opportunity to help break plateaus in soybeans yields by tissue testing.

*Corn and Soybean growth charts are provided by the University of Illinois Extension

Tissue Sample pricing includes:

- Salesman or intern walking the field and collecting the samples into a pre-coded tissue bag
- Boxes and shipping labels to Sure-Tech Laboratories
- Sure-Tech lab fees
- Two business day turn around with analysis and recommendations for corrections if needed
- Plant Nutrition Specialist- Glenn Longabaugh with WinField for technical advice and support

The Agronomy team here at Donovan Farmers Co-op is excited to bring Dakota Bohlman on board this summer as an Agronomy Intern. Dakota is a native to the area and was raised on a farm a couple miles north of Watseka. She is currently a junior studying Crop Science at Southern Illinois University at Carbondale.