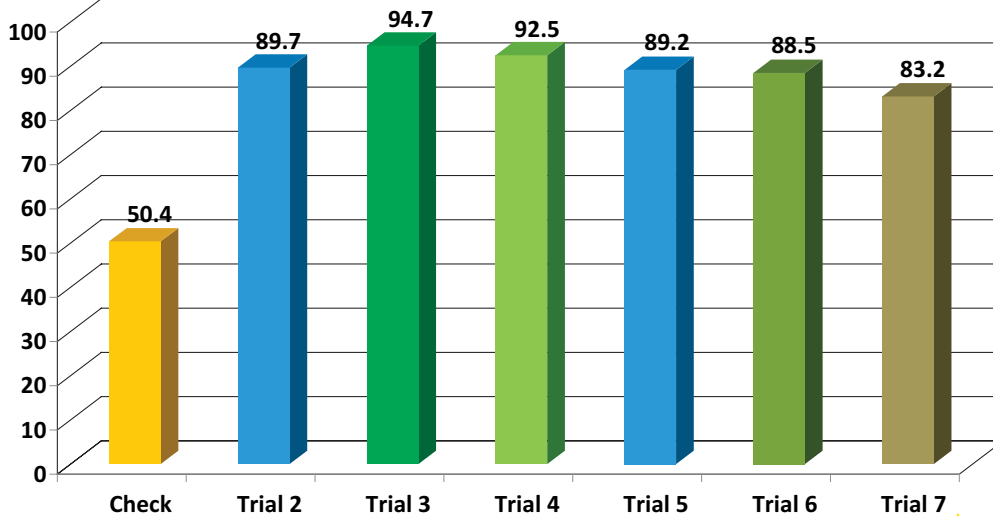




# Field Test Data

## 2012 Monty's Wheat Plant Food Study No tillage wheat after No-till Corn



**Nearly 200%  
increase in yield  
with Monty's  
Liquid Carbon!**

Study conducted by Ron Mulford  
University of Maryland Poplar Hill Research and Education Center  
Quantico, Maryland. Soil Type: Mattapex Silt Loam

Trial 1: Check

Trial 2: Nitrogen only, Fall and Spring

Trial 3: Nitrogen plus Monty's Plant Food Fall and Spring

Trial 4: Plant Nutrients added per Soil Test Recommendations plus Monty's Liquid Carbon

Trial 5: No fall fertility, only spring nutrients and pesticides. Soil Nutrients were added according to soil test recommendations.

Trial 6: No Fall fertility, spring fertilizer as Trial 5 plus Monty's Liquid Carbon

Trial 7: No fall fertility. Nitrogen plus Monty's Plant Food spring 2012.

**Ask how Monty's Liquid Carbon can make a difference**

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2012 Monty's Wheat Plant Food Study  
 Location: University of Maryland Poplar Hill Research and Education Center  
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 Ron Mulford

**Notillage Wheat after Notill Corn**

Order of adding liquid fertilizers and pesticides to the spray mix at either the Green Up Growth Stage on 02/20/12 or at Feeks Growth Stage 5 to 6 on 3/22/12. 1. 30% UAN, 2. Harmony SG herbicide dissolved in 2 qts of warm water, 3. Liquid fertilizers, 4. 2,4-D(Amine Formulation), 5. Warrior II Insecticide, 6. Induce Nonionic Surfactant, 7. Water to bring the spray mix to the correct application rate.

Wheat Treatments:	Rep1	Rep 2	Rep 3	Rep 4	Ave
1. <b>Check, Fall 2011(11/01/11)</b> preplant broadcast application of 5.6 gal/a of 30% UAN + 13.5 gal/a of Willard's 8-20-5. No additional fertility. <b>Greenup(02/20/12)</b> , 35 oz/a of Harmony SG herbicide, Induce nonionic surfactant, water added up to 30.8 gal/a. <b>Feek's growth stage 5 to 6 (3/22/12)</b> , .35 oz/a of Harmony SG herbicide + 3 oz/a of Warrior Insecticide, + Induce nonionic surfactant, water added up to 30.8 gal/a.	45.6	55.1	49.4	51.3	50.4
2. <b>N only, Fall and Spring : Fall 2011(11/01/11)</b> preplant broadcast application of 30 lbs N/a from 30% UAN. <b>Greenup(02/20/12)</b> , 50 lbs N/a from 30% UAN + herbicides of .35 oz/a of Harmony SG and 10 oz/a of 2,4-D(Amine Formulation) + Induce nonionic surfactant, water added up to 30.8 gal/a. <b>Feek's Growth Stage 5 to 6(3/22/12)</b> , 50 lbs N/a from 30% UAN + .35 oz/a of Harmony SG herbicide + 3 oz/a of Warrior Insecticide + Induce nonionic surfactant, water added up to 30.8 gal/a.	90.4	100.8	79.9	87.5	89.7
3. <b>N + Monty's Plant Food Fall &amp; Spring. Fall 2011(11/01/11)</b> preplant broadcast application of 30 lbs N/a from a blend of 30% UAN and 40 oz/a of Monty's 4-15-12 + 64 oz/a of Monty's Liquid Carbon. <b>Greenup(02/20/12)</b> , 50 lbs/a of N from 30% UAN + 24 oz/a of Monty's 8-16-8 + herbicides of .35 oz/a of Harmony SG and 10 oz/a of 2,4-D(amine formulation) + Induce nonionic surfactant, water added up to 30.8 gal/a. <b>Feek's Growth Stage 5 to 6(3/22/12)</b> , 50 lbs N/a from 30% UAN +.35 oz/a of Harmony SG herbicide + 3 oz/a of Warrior Insecticide + 32 oz/a of Monty's Liquid Carbon + Induce nonionic surfactant, water added up to 30.8 gal/a.	94.2	87.5	100.8	97.0	94.9
4. <b>Plant Nutrients Added per Soil Test Recommendations + Monty's Liquid Carbon. Fall 2011(11/01/11)</b> preplant broadcast application of 25 gal/a of 2-4-12 + 8 gal/a of 30% UAN + 64 oz/a of Monty's Liquid Carbon. <b>Greenup(02/20/12)</b> , 25 gal/a of 2-4-12 + 14 gal/a of 30% UAN + Monty's Liquid Carbon @ 32 oz/a + Herbicides(Harmony SG @ .35 oz/a + 10 oz/a of 2,4-D(amine formulation) + Induce nonionic surfactant, water added up to 30.8 gal/a. <b>Feek's Growth Stage 5 to 6(3/22/12)</b> , 50 lbs N/a from 30% UAN +.35 oz/a of Harmony SG herbicide + 3 oz/a of Warrior Insecticide + 32 oz/a of Monty's Liquid Carbon + Induce nonionic surfactant, water added up to 30.8 gal/a.	92.3	100.8	93.2	83.7	92.5
5. <b>No Fall Fertility, only Spring Nutrients and Pesticides. Soil Nutrients were added according soil test recommendations. Greenup(02/20/12)</b> , 50 gal/a of 2-4-12 blended w/12.3 gal/a of 30% UAN + .35 oz/a of Harmony SG herbicide + 10 oz/a of 2,4-D(amine formulation) + Induce nonionic surfactant, water added up to 70.8 gal/a. <b>Feeks Growth Stage 5 to 6(3/22/12)</b> , 50 lbs N/a from 30% UAN +.35 oz/a of Harmony SG herbicide + 3 oz/a of Warrior II Insecticide + Induce nonionic surfactant, water added up to 30.8 gal/a.	88.5	93.2	83.7	91.3	89.2
6. <b>No Fall Fertility, Spring Fertilizer as 5 + Monty's Liquid Carbon. Greenup(02/20/12)</b> , Same as 5 except Monty's Liquid Carbon was added @ 64 oz/a. <b>Feek's growth 5 to 6(3/22/12)</b> . Same as 5 except Monty's Liquid Carbon was added @ 32 oz/a.	89.4	93.2	85.6	85.6	88.5
7. <b>No Fall Fertility. Nitrogen + Monty's Plant Food Spring 2012. Greenup(02/20/12)</b> , 50 lbs N/a from 30% UAN solution + 24 oz/a of Monty's 8-16-8 + Monty's Liquid Carbon @ 32 oz/a + .35 oz/a of Harmony SG herbicide + 10 oz/a of 2,4-D(amine formulation) + Induce nonionic surfactant, water added up to 30.8 gal/a. <b>Feek's Growth Stage 5 to 6(3/22/12)</b> , 50 lbs N/a from 30% UAN + .35 oz/a of Harmony SG herbicide + 25 oz/a of Monty's 2-15-15 liquid fertilizer + 32 oz/a of Monty's Liquid Carbon + 3 oz/a of Warrior II insecticide + Induce nonionic surfactant , water added up to 30.8 gal/a.	89.4	91.3	79.9	72.3	83.2

Average yield in bu/a 84.1

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