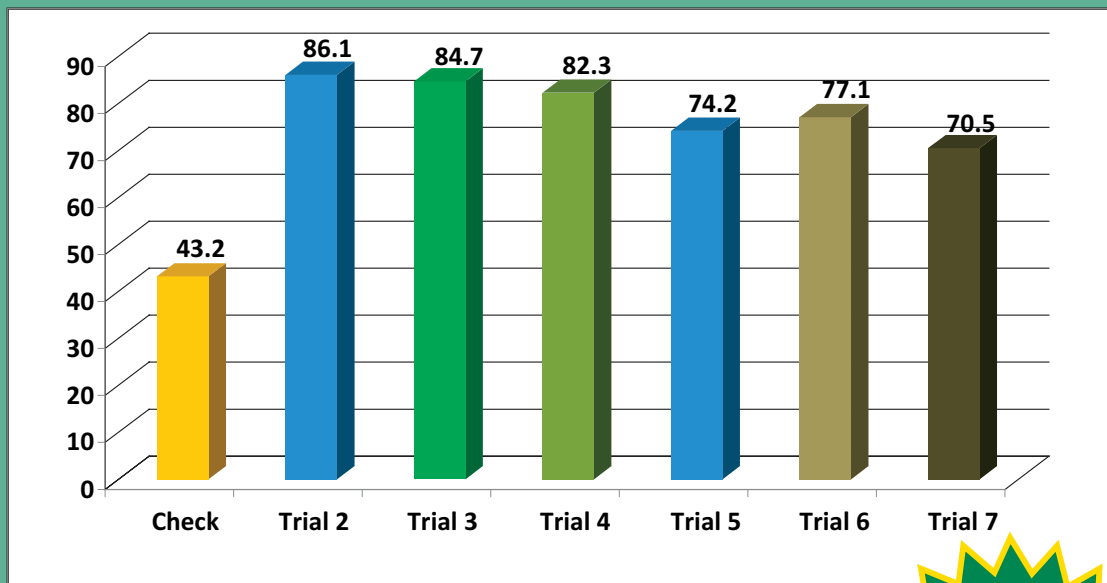




Field Test Data

2012 Monty's Wheat Plant Food Study No tillage wheat after single crop no-till soybeans



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

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

Trial 1: Check

Trial 2: N only, Fall and Spring.

Trial 3: Monty's Plant Food Fall & Spring.

Trial 4: Plant Nutrients Added per Soil Test Recommendations + Monty's Liquid Carbon.

Trial 5: No Fall Fertility, only Spring Nutrients and Pesticides. Soil Nutrients were added according soil test recommendations.

Trial 6: No Fall Fertility, Spring Fertilizer as 5 + Monty's Liquid Carbon.

Trial 7: No Fall Fertility. Nitrogen + Monty's Plant Food Spring 2012.

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2012 Monty's Wheat Plant Food Study
Location: University of Maryland Poplar Hill Research and Education Center
Quantico, Maryland. Soil Type, Mattapex Silt Loam.
Ron Mulford

Notillage Wheat after Single Crop Notill Soybeans

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. Check, Fall 2011(11/01/11) preplant broadcast application of 5.6 gal/a of 30% UAN + 13.5 gal/a of Willard's 8-20-5. No additional fertility. Greenup(02/20/12) , 35 oz/a of Harmony SG herbicide, Induce nonionic surfactant, water added up to 30.8 gal/a. Feek's growth stage 5 to 6 (3/22/12) , .35 oz/a of Harmony SG herbicide + 3 oz/a of Warrior Insecticide, + Induce nonionic surfactant, water added up to 30.8 gal/a.	41.8	41.8	45.6	43.7	43.2
2. N only, Fall and Spring : Fall 2011(11/01/11) preplant broadcast application of 30 lbs N/a from 30% UAN. Greenup(02/20/12) , 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. Feek's Growth Stage 5 to 6(3/22/12) , 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.	98.9	89.4	76.1	79.9	86.1
3. N + Monty's Plant Food Fall & Spring. Fall 2011(11/01/11) 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. Greenup(02/20/12) , 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. Feek's Growth Stage 5 to 6(3/22/12) , 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.	85.6	87.5	89.4	76.1	84.7
4. Plant Nutrients Added per Soil Test Recommendations + Monty's Liquid Carbon. Fall 2011(11/01/11) 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. Greenup(02/20/12) , 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. Feek's Growth Stage 5 to 6(3/22/12) , 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.	89.4	87.5	76.1	76.1	82.3
5. No Fall Fertility, only Spring Nutrients and Pesticides. Soil Nutrients were added according soil test recommendations. Greenup(02/20/12) , 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. Feeks Growth Stage 5 to 6(3/22/12) , 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.	74.2	74.2	74.2	74.2	74.2
6. No Fall Fertility, Spring Fertilizer as 5 + Monty's Liquid Carbon. Greenup(02/20/12) , Same as 5 except Monty's Liquid Carbon was added @ 64 oz/a. Feek's growth 5 to 6(3/22/12) , Same as 5 except Monty's Liquid Carbon was added @ 32 oz/a.	78.0	83.7	76.1	70.4	77.1
7. No Fall Fertility. Nitrogen + Monty's Plant Food Spring 2012. Greenup(02/20/12) , 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. Feek's Growth Stage 5 to 6(3/22/12) , 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.	74.2	72.3	68.5	66.8	70.5

Average yield in bu/a 74.0

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