

# USE **Medina**<sup>®</sup>

## Increase Your Corn & Grain Sorghum Yields

*Years and years of official research ...  
Thousands and thousands of acres  
of farmer tests ...*

... show Medina should help you  
economically increase your corn and  
milo yields and **profitably so**.

### **RESEARCHER COMMENTS**

Medina **was consistent**, increasing  
yields in every test. – Dr. Elton Cook,  
Texas A&M University and Lubbock  
Christian College.

The one **truly consistent** character-  
istic of Medina is its **consistent** yield  
performance. – Dan Jones, professional  
researcher

If there wasn't anything to Medina I  
would not be getting any increase. Three  
years of replicated tests show **significant  
yield responses**. – Jim Roth, fertility  
researcher, University of Missouri

UNIVERSITY OF MISSOURI  
Portageville Station  
3 years replicated plots,  
Jim Roth, fertility researcher

#### SUMMARY

##### SOIL APPLICATIONS – 1 gallon per acre

Medina	5,697 lb/acre
Checks	<u>5,058 lb/acre</u>
Increase for Medina	639 lb/acre
An 11% Increase	

##### FOLIAR APPLICATION – 1 gallon Medina PLUS at 5 to 7 leaf stage. Average 3 years replicated tests.

Medina	5,734 lb/acre
Checks	<u>4,983 lb/acre</u>
Increase for Medina	751 lb/acre
at \$4.00/100 wt., \$30.04 per acre increase.	
A 15% Increase.	

Naturally, you should receive more than \$4.00 per 100 wt. That would increase your profit. Many South Texas farmers contracted '81 milo at \$7.00 per 100 wt. At those prices the soil application would have been worth \$44.73; the foliar, at \$52.57 an acre.

#### LUBBOCK CHRISTIAN COLLEGE

Dr. E. D. Cook, Department of Agriculture Head  
4 replications, 2 years

	Average Yield	Increase
Checks, no fertilizer	4,400	
60-0-0	5,310	910
60-0-0 + 1½ gal. Medina		
1 gal. soil & ½ foliar	5,822	1,422
60-30-0 + 1 gal. Medina	5,804	1,404
Medina – 1 gal. soil &		
½ gal. foliar	5,455	1,055

Medina increased the yield over the no fertilizer check by 1,055 pounds/acre. It improved the yield over nitrogen alone by 510 pounds/acre. The addition of 30 pounds of phosphate per acre *was not* effective in increasing yields.

The most profitable results were from 60 pounds of nitrogen plus a gallon of soil-applied Medina and ½ gallon Medina foliar at 5 to 7 leaf stage.

"Medina was consistent in giving an increased yield." – E. D. Cook, Ph.D.

## Users Report: Milo

**MISSOURI – Woods & Dunn, Auxvasse –** Medina increased our milo yields by 591 pounds per acre at \$4.00/100 wt. That's \$23.64 more per acre.

**John Hart, Osborn, reports:**

Medina plots yielded	161.3 bu/acre
Check plots	<u>140.0 bu/acre</u>
<b>Medina increased my yield</b>	<b>21.3 bu/acre</b>

**KANSAS – Clinton Peverly, Geneseo –** Medina was tested for 3 years. It averaged increasing my yields by 28.2 bu/acre. Average 108.2 bu/acre with Medina; 80 bu/acre without. There was a 4.1 pound increase in bushel weight with Medina.

**ILLINOIS – Jim & Joe VanDeRiet –** Where No Medina was applied the milo was at least a week later, uneven, and yielded 4,840 pounds per acre. Where we used 1 gallon Medina/acre the yield was 5,680 pounds/acre, an increase of **840 pounds more**. A 17% increase at \$4.00/100 wt. – that's \$33.60 more per acre.

**TEXAS – Alph Stone, Robstown –** From 1956 to 1966 I had a 10-year history of under 2,500 pounds per acre. In 1966 I used Medina for the first time. The yield was 3,200 lb/acre. The next year another gallon of Medina, and the yield went over 4,000 pounds. It has not been under that since. My soil is much more mellow.

**AKIN SEED CO., ST. FRANCISVILLE, ILLINOIS:**

<u>1980</u>	<u>Corn</u>	<u>Soybeans</u>
Medina	121.1 bu/acre	57.8 bu/acre
Average 8 Checks	<u>101.0 bu/acre</u>	<u>48.2 bu/acre</u>
<b>Increase for Medina</b>	<b>20.1 bu/acre</b>	<b>9.6 bu/acre</b>

**1981 –** 1 gallon Medina per acre was applied with Lasso on Soybeans

1 gallon Medina:	1st year	55.4
	2nd year	56.9
Check		50.4

**Medina increased yield by:** 5 bu/acre 1st year  
6.5 bu/acre 2nd year

**Observation:** There was better weed and grass control where Medina was added to the herbicides. This occurred both years.

# Corn

**MINNESOTA** – Corn tests the past 3 years show consistent yield increases with Medina.

**1979 – Marv Scholander, Parker Prairie** – showed an increase of 24.83 bu/acre with Medina.

**1980 – Bill Cook, Murdock** – showed an increase of 30 bu/acre with Medina.

**1981 – Michael Lovlien, Altura** – 1 gallon Medina soil applied in 3 reps. The averages are shown below.

<u>Field I</u>	<u>Moisture</u>	<u>Test Wt.</u>	<u>Bu/Acre</u>
Check	26	49	136.49
Medina	22.7	49.6	167.44
Increase 30.95 bu/acre with Medina			

<u>Field II</u>			
Check	23.9	51	129.67
Medina	24.1	51.5	151.26
Increase 21.59 bu/acre with Medina			

**1981 – Bernie Russenberger** – I tested Medina on 30 acres of corn and compared it to a 35-acre check. Both the Medina-treated and check plots were divided into three reps. The Medina-treated corn averaged 164.29 bu/acre and the check plots averaged 146.43 bu/acre. This was a 17.86 bu/acre increase for Medina. The Medina-treated corn was also taller and had more root development.

**MORE MINNESOTA CORN – Gene Sell, Murdock** – Extremely high sodium soils. Renk seed test plots very dry for 4 weeks.

	<u>Moisture</u>	<u>Test Wt.</u>	<u>Bu/Acre</u>
4 row Check	20.4	50	46.3
4 row Medina	18.6	53	74.4

1 gallon Medina produced a 28.1 bu/acre increase or \$63.23/acre more.

**MISSOURI – James Hodges, Matthews** –

1 gallon Medina per acre was broadcast.

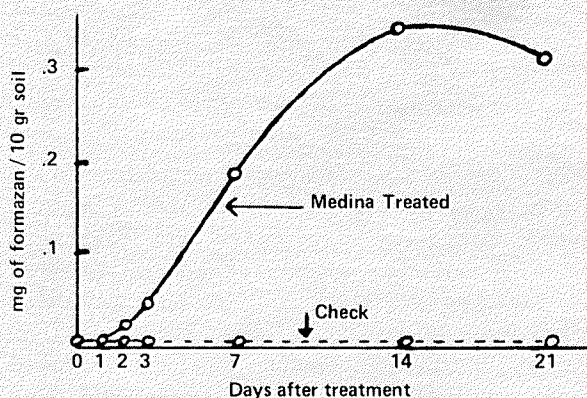
Medina	133.75 bu/acre
No Medina	<u>119.11 bu/acre</u>
Increase for Medina	14.64 bu/acre

## Two major problems can reduce your yields

1. Carryover undecayed crop residues can harbor disease organisms that attack your young seedlings, producing unhealthy plants. This is a major problem in most soils. Medina quickly increases the biological activity to more completely breakdown residues, reducing the disease carryover problem.

In a recent replicated field test by the nation's top agriculture laboratory, Medina increased the biological activity by over 2000% in 2 weeks. No increase occurred in the control plots during this period.

**TOTAL MICROBIAL ACTIVITY**



Time	% Increase	Time	% Increase
1 day	8.33%	7 days	1175.00%
2 days	108.33%	14 days	2158.33%
3 days	233.33%	21 days	1815.38%

Increase in total microbial activity shown by formazan produced through the action of dehydrogenase.

2. Tied-up nutrients and lack of plant hormones and micronutrients limit production. Anytime a plant is stressed, too much water, not enough water, too much calcium, sodium, potassium, too little of these or shortages of micronutrients can cause stress. This cuts production. By foliar feeding nitrogen, other elements and Medina PLUS, much of the stress and shortages of micronutrients can be corrected, resulting in a higher yield.

## ***What are the economics?***

A farmer should be very careful every year with what he spends to grow a crop. He should not try to starve a profit into his crop. He should do everything every year to produce his highest economic yield.

Medina has been proven in official research, in farm research and long-time use on milo and corn. Tests show a 3 to 7 dollar return for each 1 dollar invested in Medina. You should do your own tests if you are the least bit skeptical.

Application: Apply 1 gallon Medina per acre ahead of planting. May be mixed with herbicides and /or fertilizer. Foliar: At 3 to 6 leaf stage, apply 1 quart of Medina Plus and 1 quart HastaGro 6-12-6 per acre.

Medina Plus and HastaGro 6-12-6 contain plant root, growth & fruiting stimulators. These products are proven yield makers.

*Don't you owe it to yourself to let Medina prove its value to you?*

*Try Medina.*

*Medina offers you a better way.*

# **Medina<sup>®</sup>**

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