

Wide-Row Corn with Cover Crops

On-Farm Observations to Compliment Research Plots

Bryce Andersen and Abbey Wick, Extension Soil Health

The topic of wide-row corn (60" or 44" spacing) with cover crops seeded between the rows came up at many of the NDSU Extension meetings in the winter of 2019/2020. Several farmers are planning on giving this a try, so we want to help collect information from on-farm experiences to compliment research plots being supported by funding from the ND Corn Council at the Carrington Research Extension Center.

We have created a wide-row corn data sheet to help us get observational information about this practice using your on-farm trials. Please fill out as much of the information as you can throughout the growing season and keep us posted along the way. If there is something missing from this sheet, add the info in your notes. Remember to take plenty of pics too!

Bryce Andersen (NDSU Soil Health Technician) is taking the lead on this project, so please reach out to him with any questions and to share what you're seeing via email. If a phone call is easier, you can give me a call or send a text. Both of our contact information is listed on this letter and also on the upper right hand corner of the data sheet.

Once you have completed the data sheet please return it to Bryce at your earliest convenience.

Thanks for participating,

Abbey Wick
NDSU Extension Soil Health Specialist

PRIMARY CONTACT

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Goal: Create a network of farmers trying wide-row corn and cover crops to share ideas, experiences and to compliment NDSU research plots at Carrington Research Extension Center.

Other Collaborators: Dr. Mike Ostlie (NDSU CREC), Kelly Cooper (NDSU CREC), Dr. Marisol Berti (NDSU), Dr. Joel Ransom (NDSU), Wild Rice Soil Conservation District

www.ndsu.edu/soilhealth

Wide-Row Corn Data Sheet

Contact Bryce Andersen with finished sheet or any questions

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GENERAL INFORMATION:

Farmer's Name	
Location (City, State)	
Field Location (Twnshp, Range, Section)	
Location in Field	
Number of Acres in Test Plot	
What is your goal for wide-row corn?	
Was your wide-row corn insured?	Yes No If yes, by what company:

PLOT INFORMATION:

Slope Position	Hilltop Side Slope Bottom Slope No Slope
Soil Texture	Clay Clay Loam Loam Sandy Loam Sand Other:
Tillage Management	
Prior Crop in Rotation	
Next Crop in Rotation	
Residue on Surface	Yes No

CORN INFORMATION:

Planting Date	
Variety	
Maturity	
Population	
Row Spacing	60" 44" Other:
Row Orientation	East/West North/South Twin Row: Yes No
Conditions at Planting (wet, dry)	

CORN PLANTING EQUIPMENT INFORMATION:

Equipment Used	
Modifications	

FERTILITY INFORMATION:

STARTER	
Fertilizer & Rate Applied	
Date	
Method of Application	In-Furrow Broadcast Other:
SIDEDRESS	Yes No
Fertilizer & Rate Applied	
Date	
Method of Application	Coulter Drop-Tube Broadcast Other:
How did this differ from your 30" row fertilizer program?	

COSTS:

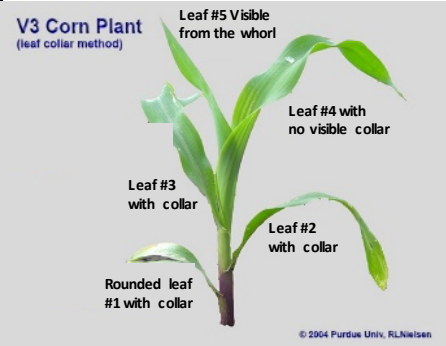
Corn Seed:	Cover Crop Seed:
Chemical:	Fertilizer:
Repairs:	Fuel & Lube:

WEED MANAGEMENT:

Herbicide Applied	
Rate	
Date Applied	

COVER CROP INFORMATION:

Seeding Date	
Corn Growth Stage at Seeding	
Conditions at Seeding (wet, dry)	
Cover Crops	Species (Rate)



COVER CROP SEEDING EQUIPMENT:

Equipment Used	
Modifications	

IN-SEASON OBSERVATIONS: (Firing of lower leaves, stalk strength, cover crop growth, etc.)

Date:	
Photo:	Yes No
Notes:	

Date:	
Photo:	Yes No
Notes:	

HARVEST INFORMATION:

Harvest Date	
Conditions at Harvest	
Wide-Row Yield (60" or 44")	
Standard Row Yield (30" or 22")	
Notes:	
End of Year Cover Crop Biomass Production	Happy? Yes No Thoughts:
What was Done With the Cover Crop	Grazed: Fall Winter Spring Hayed: Fall Winter Spring
Forage Value if Hayed or Grazed	
Weight Gain of Livestock if Grazed	

Any Last Notes (plans to try again, effects on corn, cover crop mix, etc.):