



Within the "Add Nitrogen" tab, you can now specify nitrogen forms and select if you used a nitrogen stabilizer.

Add Nitrog	ו						
Step 1:	- Select a Growth Stage - - or - Select an application date						
Step 2:	• Use Flat Rate Enter Pounds of N Ibs						
	- or -						
	◯ Use Solver						
	of						
	 Select a Nitrogen Product - With Nitrification Inhibitor 						
Step 3:	Set Nitrogen						



Select the product form.

Add Nitroge	n	
Step 1:	- Select a Growth Stage - - or - Select an application date	
Step 2:	 Use Flat Rate or - Use Solver of ✓ - Select a Nitrogen Product - 	lbs
Step 3:	Nitrate Anhydrous Ammonia Urea UAN	
Previous Cr	op Ammonium Sulfate	





If you used a stabilizer, select the "With Nitrification Inhibitor".

Add Nitrog	en
Step 1:	- Select a Growth Stage - - or - Select an application date
Step 2:	 Use Flat Rate Enter Pounds of N lbs or - Use Solver
	of - Select a Nitrogen Product - Vith Nitrification Inhibitor
Step 3:	Set Nitrogen



View Form in Worksheet.

Field Projections Worksheet

Solver Advantage: 56 bpa

AAS Generic Seeds - XXX EXPERIMENTAL Planting Date: 05/01/2016 Forecast: IL WC 2010to2014 Avg

345.12 Acres 🥜	Seeding Rate	🔎 Projected Yield	🍄 Limiting Factor	Planting	Þ
Average	34 🥜	200.4 bpa	Water	225 € 22 Straight Remove ✓ × ④	pass?
100.10 ac / 50A ,	34 🥜	201.8 bpa	Water	225N 🥜	Solver
72.51 ac / 46A / I	34 🥜	198.4 bpa	Water	225N 🥜	nitrogen rates
32.50 ac / 46A /	34 🥜	198.4 bpa	Water	225N 🥜	Product:
17.37 ac / 46A / (34 🥜	198.4 bpa	Water	225N 🥜	Anhydrous
16.10 ac / 50A / (34 🥜	201.8 bpa	Water	225N 🥜	Ammonia With Stabilizer:
Show all zones					no
Rainfall				·	Min: ON Max: 350N



- All previous N applications are in the nitrate form.
- NH3 in the fall and pre-plant should be REMOVED and added back in with the correct N form.
- This function allows for a more precise representation of nitrogen loss from fall applications.
- The nitrogen curve represents the total nitrogen available in the soil. With these updates, you may see changes in the nitrogen curve. Shifts in the curve may occur in scenarios when you may have had nitrogen tied up in crop residue following corn-on-corn crop rotation.
- Prescriptions are still Shapefiles that include all forms in gallons, pounds, etc.



Within the "Previous Crop" tab, you can now select previous crop, harvest date and tillage practice.

Previous Crop		
Material:	- Select Previous Crop -	
	- or -	
	C:N Ratio	lb C : 1 lb N
	Tons of material	tons
Harvest date:	Select the harvest date	
Tillage Practice:	Conventional Tillage	
Add to Plan		



Select from several common practices to pre-populate C:N and tonnage values.

Previous Crop		
Material:	 Select Previous Crop - Rye/Wheat/Oat Straw Corn 140 bpa Corn 160 bpa Corn 180 bpa 	C : 1 lb N าร
Harvest date:	Corn 200 bpa Corn 220 bpa Corn 240 bpa	
Tillage Practice:	Rye Cover Crop (mature) Rye Cover Crop (vegetative) Soybeans	
Add to Plan	Legume Cover Crop	





Select your harvest date

(date material came in contact with the soil).

Previous Crop										
Material:	Corn	200 k	opa							
	- or -									
	57					lb	C:1l	1		
	5					to	ns			
Harvest date:	Selec	t the	harve	est dat	е					
Tillage	0	(Octo	ber 2	015		0			
Practice:	Su	Мо	Tu	We	Th	Fr	Sa			
Add to Plan					1	2	3			
	4	5	6	7	8	9	10			
Current Plans	11	12	13	14	15	16	17			
10/15/2015	18	19	20	21	22	23	24	s/acre	Conventional Tillage	
	25	26	27	28	29	30	31			Remove from Plan





Configure the type of annual tillage practiced (will be applied from time of first carbon application).

Previous Crop		
Material:	Corn 200 bpa	
	- or -	
	57	lb C : 1 lb N
	5	tons
Harvest date:	Select the harvest date	
Tillage Practice:	✓ Conventional Tillage Minimal Tillage	
Add to Plan	No Tillage	
Current Plans		
10/15/2015	Soybeans 30 lb C : 1 lb N	2 tons/acre Conventional Tillage Remove from Plan





Add multiple for cover crops or manure. Remove and add to

change previous crops.

Previous Crop		
Material:	Corn 200 bpa	
	- or -	
	57	lb C : 1 lb N
	5	tons
Harvest date:	Select the harvest date	
Tillage Practice:	✓ Conventional Tillage Minimal Tillage	
Add to Plan	No Tillage	
Current Plans 10/15/2015	Soybeans 30 lb C : 1 lb N	2 tons/acre Conventional Tillage Remove from Plan



- The model was C:N neutral before. With this new feature, 360 COMMANDER will better calculate immobilization and the release of nitrogen based on timing of residue contact with the soil.
- This feature offers a more robust description of when previous crop, cover crops and other biological material becomes available nitrogen and better measures the potential loss of available nitrogen.
- All fields will be set to soybeans as the previous crop.
- There is not a standard soybean credit or additional N recommendation for cornon-corn. It depends on N timing in the model.