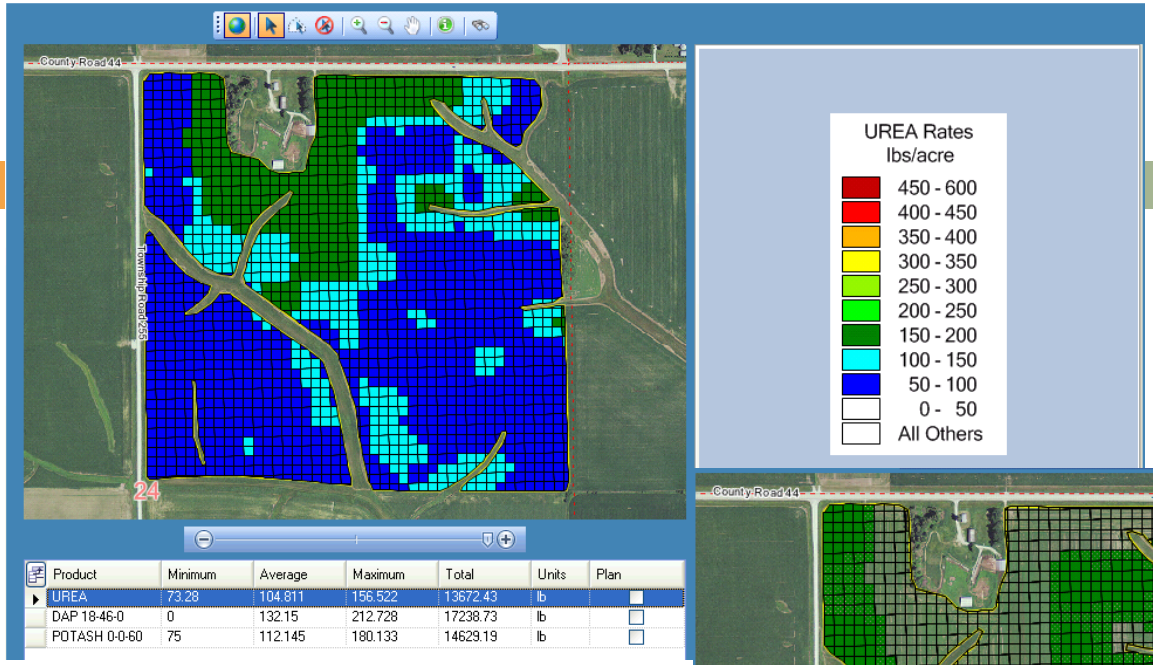
HOW TO: CREATE A FLAT RATE N REC USING MULTIPLE N SOURCES IN THE VRT REC CREATOR

SOILMAP Learning Center

How to: Create a flat rate N rec using multiple N sources in the VRT Rec creator

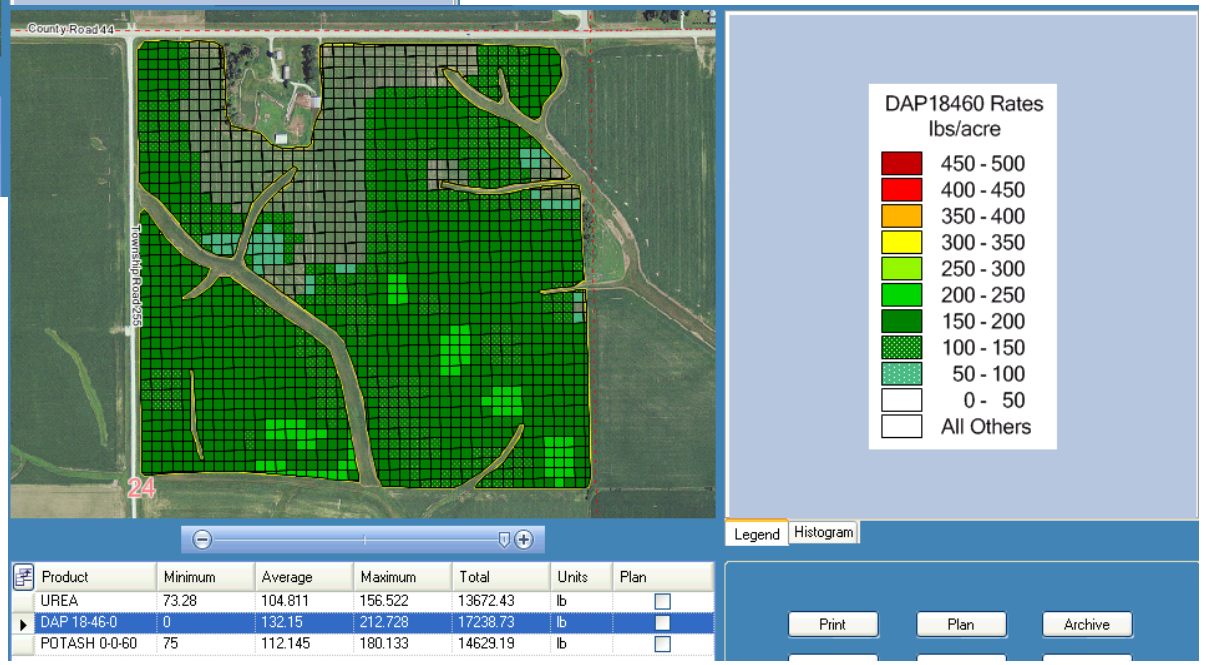
- In this example we want to apply 72 lbs of N across the entire field.
- N will come from 2 products
  - UREA
  - DAP
- The highest rate of UREA will be 156.52 lbs/ac



N source 1 = UREA

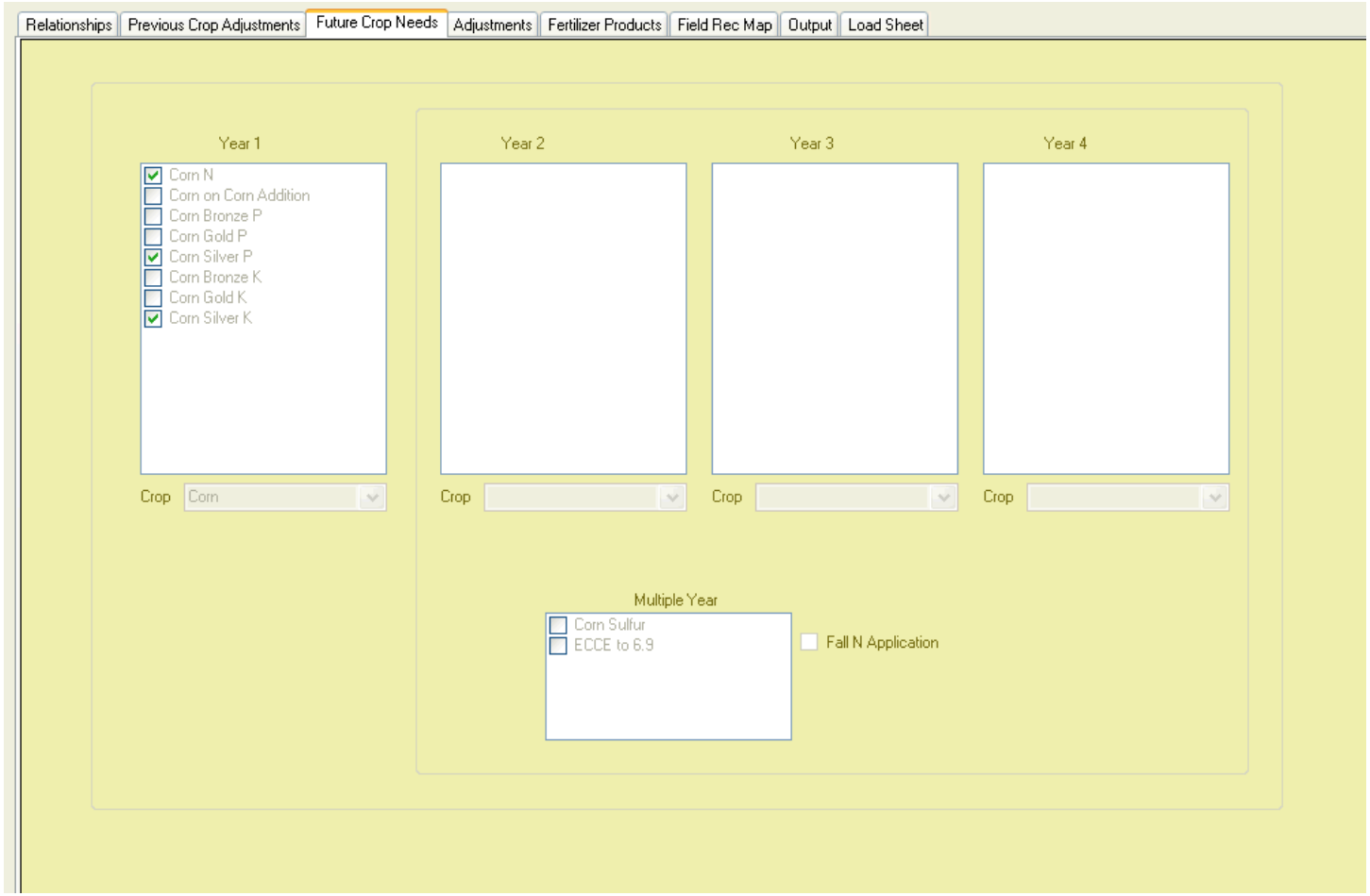
N source 2 = DAP

You will need less UREA in areas that call for DAP.



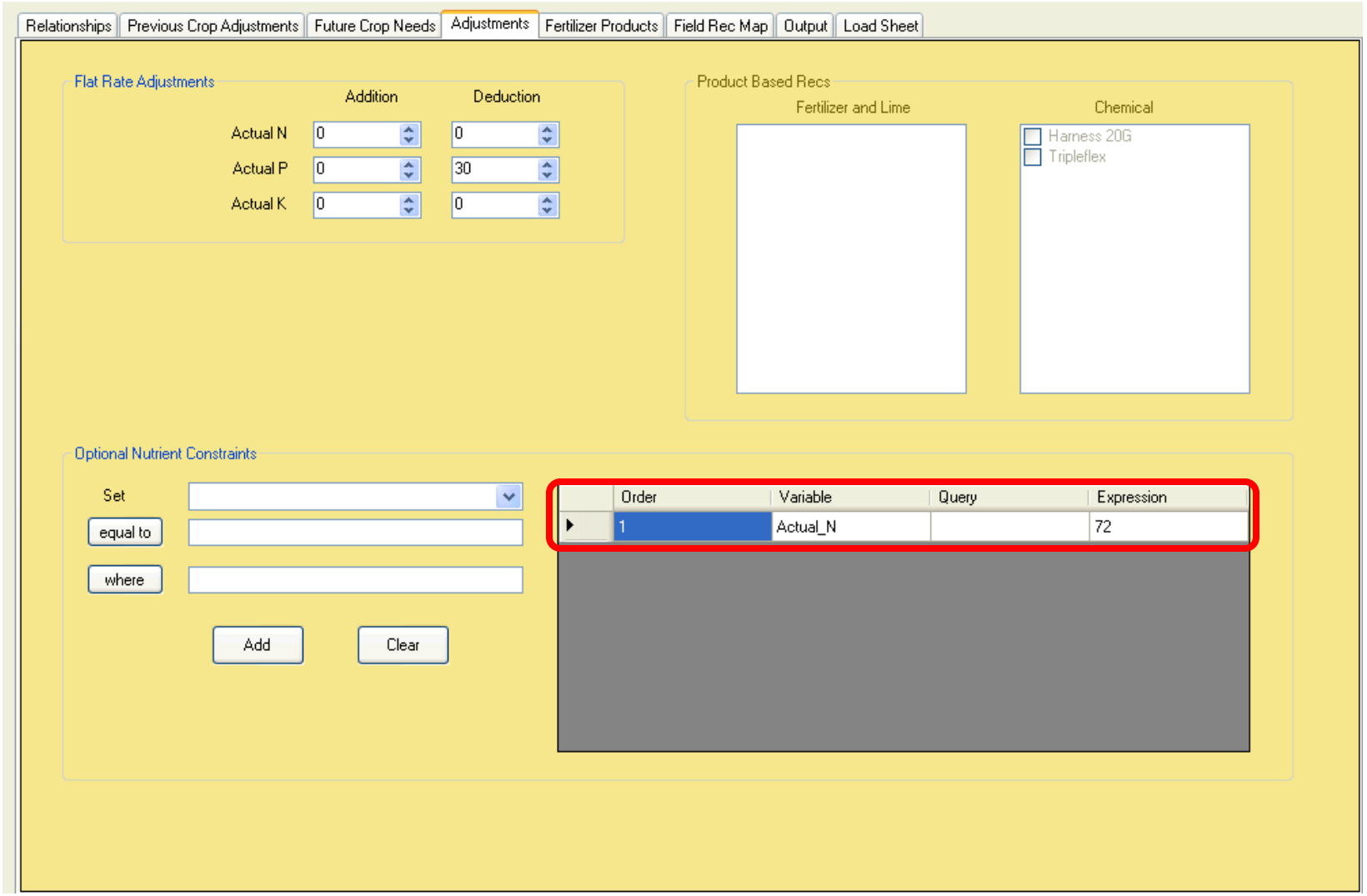
Ensure past and current crops are set correctly. This is very important later on.

Select: N – P – K

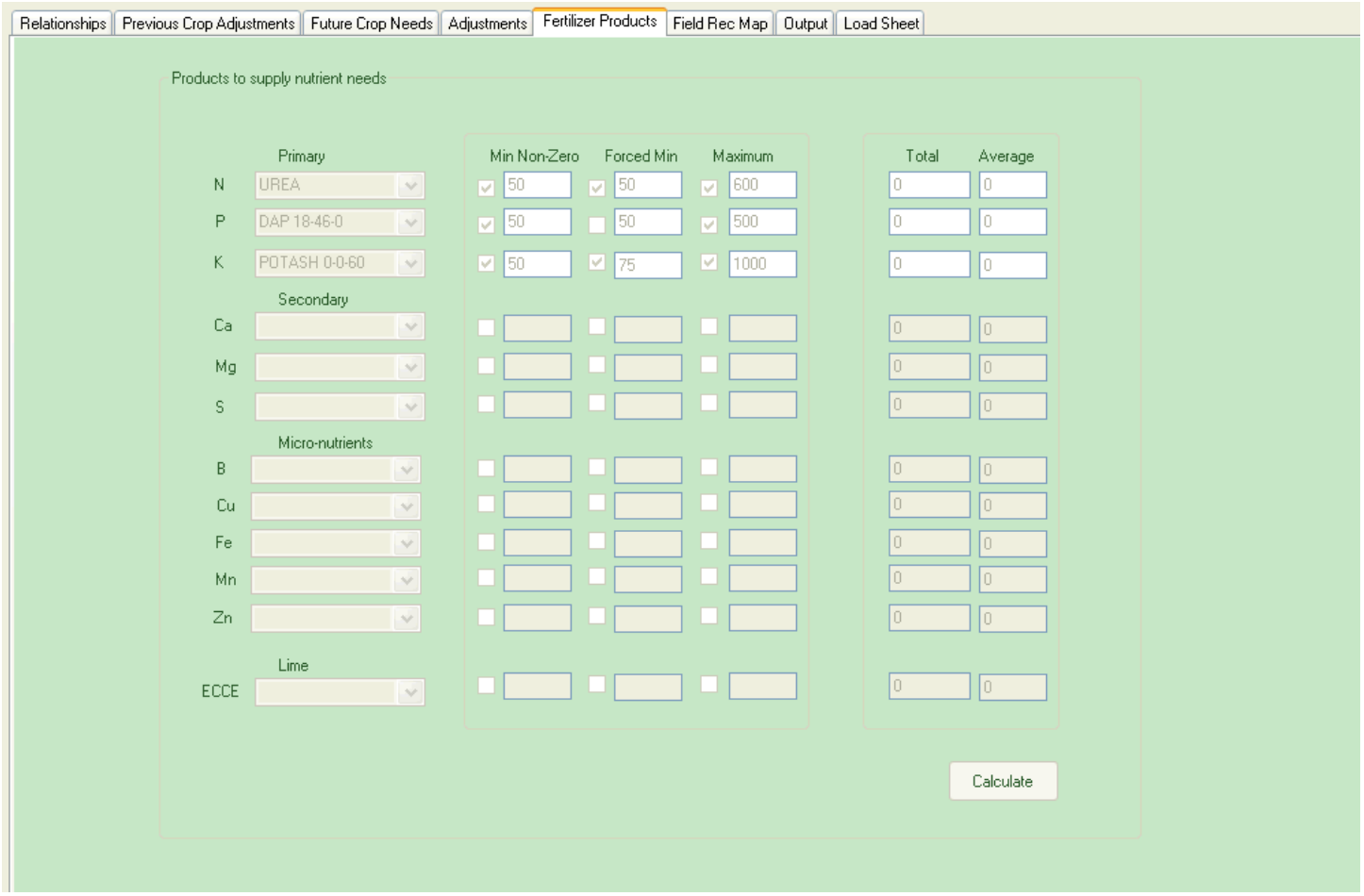

Relationships
Previous Crop Adjustments
Future Crop Needs
Adjustments
Fertilizer Products
Field Rec Map
Output
Load Sheet
Year 1
Corn N
Corn on Corn Addition
Corn Bronze P
Corn Gold P
Corn Silver P
Corn Bronze K
Corn Gold K
Corn Silver K
Crop
Corn
Year 2
Crop
Year 3
Crop
Year 4
Crop
Multiple Year
Corn Sulfur
ECCE to 6.9
Fall N Application

In this example the crop rotation is Corn/Soybeans. Therefore, we want 72 lbs of N over the entire field.

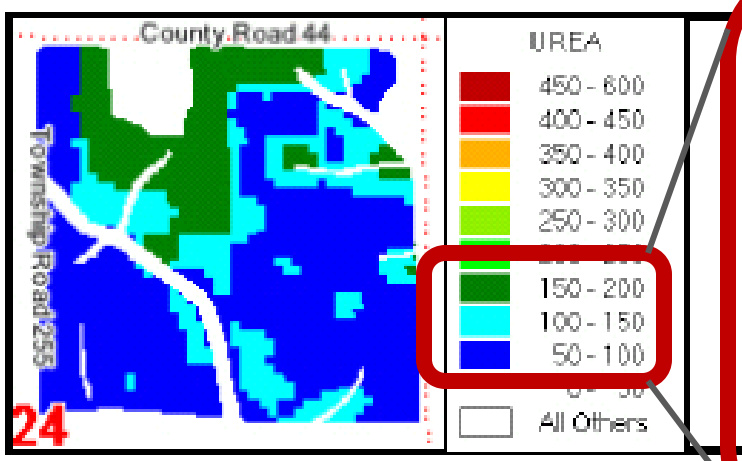
Set Actual_N to 72 in the Optional Nutrient Constraints section.



Select your products. Remember, the more DAP you have in an area, the less UREA you will need to fulfill that N requirement



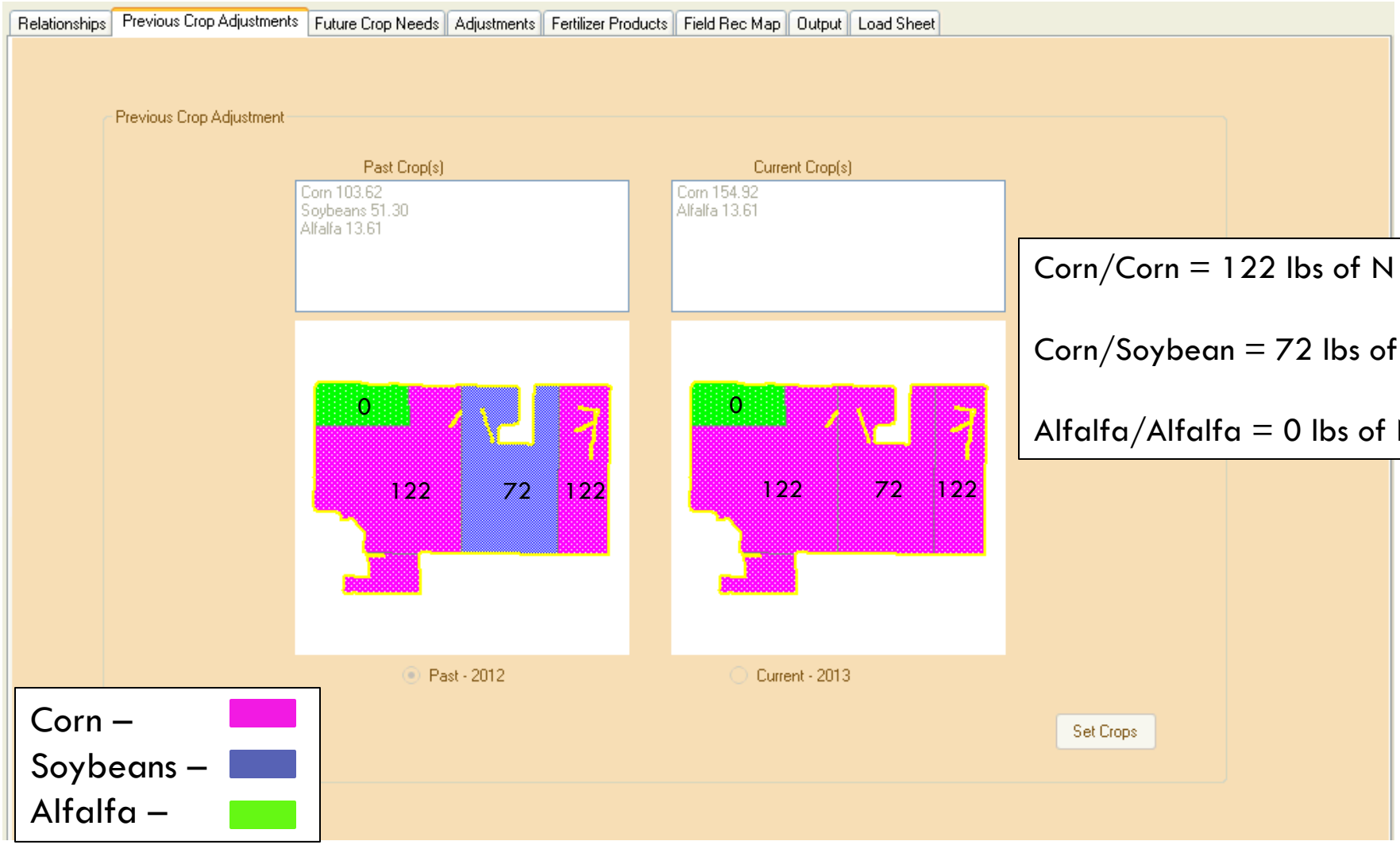
UREA = (N/.46)



N	Factor	UREA (lbs/ac)
72	.46	156.52
55	.46	119.56
30	.46	65.22

NOTE: N rates in table are only to show the calculation of required UREA. They may or may not be actual rates used for this field and they do not show the supplemented N gained from DAP.

This example shows you how to create a flat rate of N, using multiple products, while changing the rates of actual N based on Past Crop.



Corn/Corn = 122 lbs of N

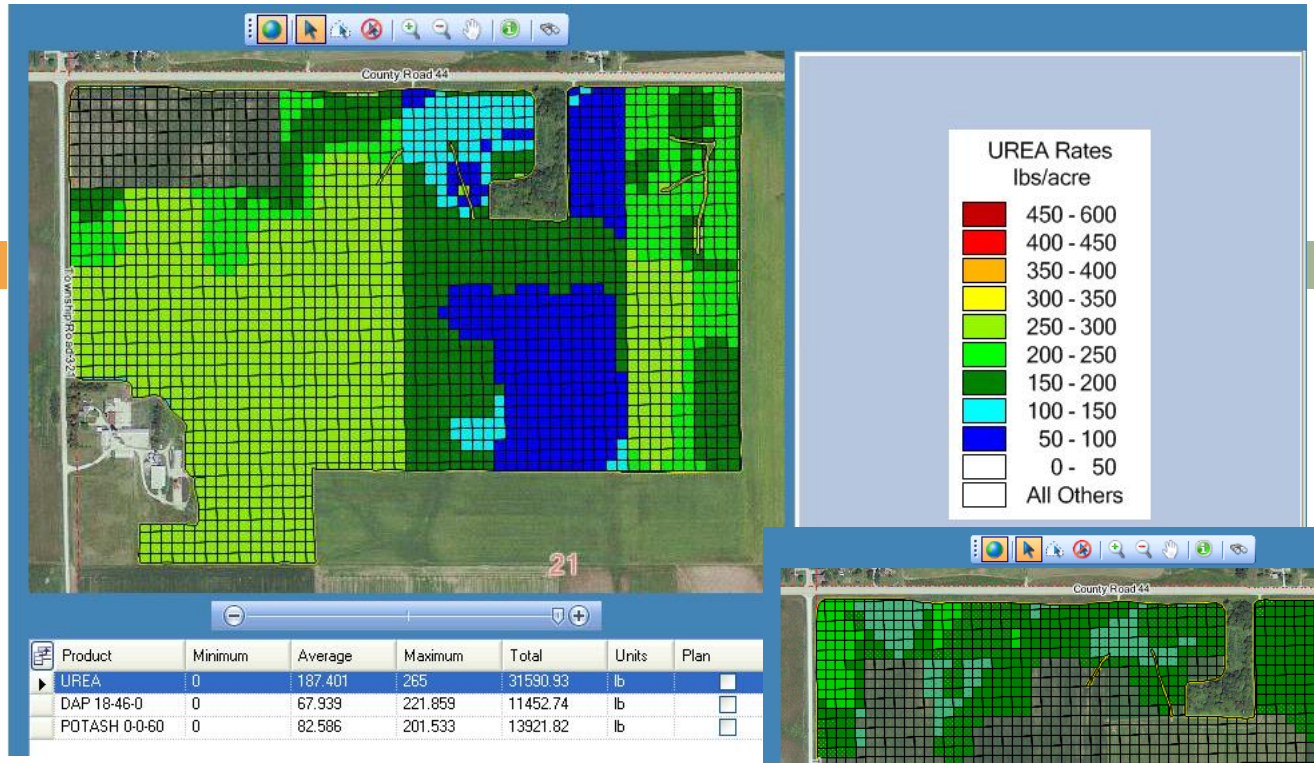
Corn/Soybean = 72 lbs of N

Alfalfa/Alfalfa = 0 lbs of N

Corn –

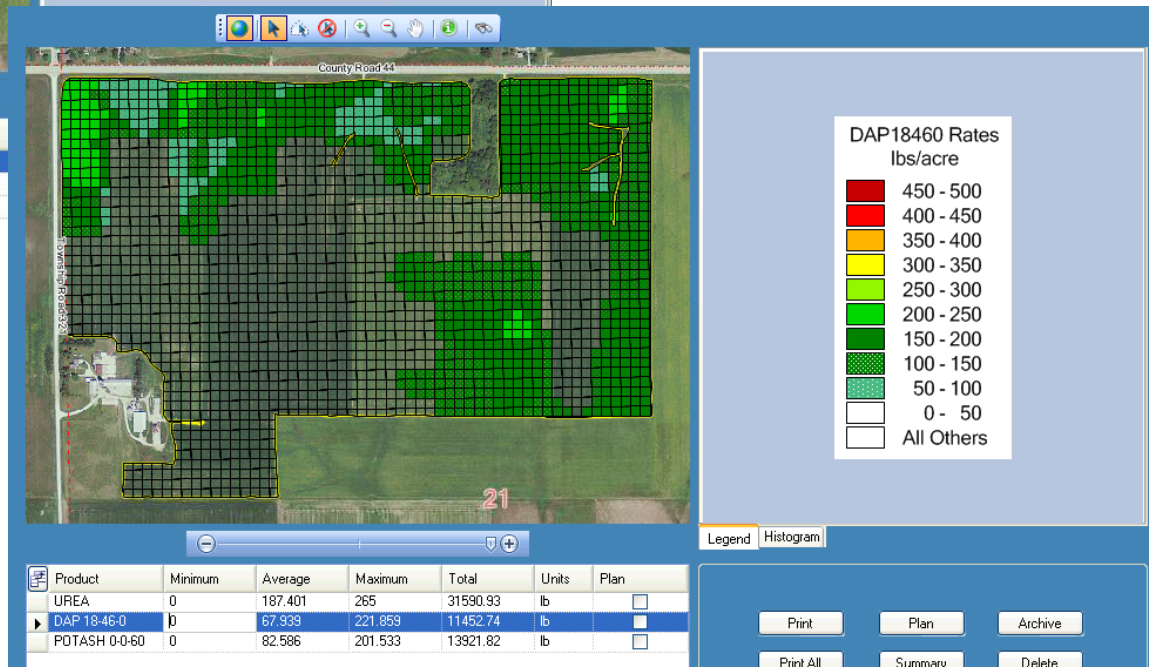
Soybeans –

Alfalfa –



N source 1 = UREA

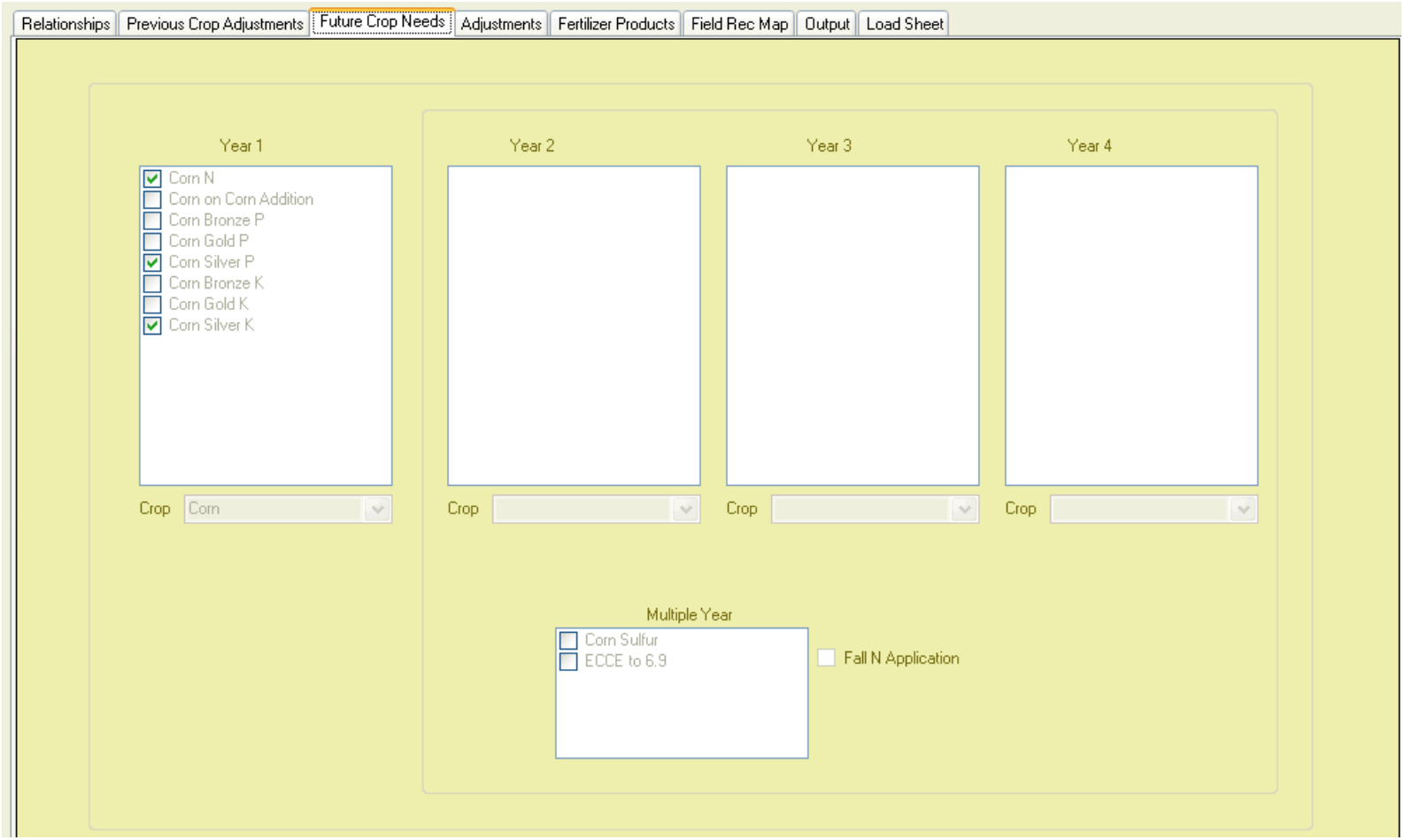
N source 2 = DAP



DAP is applied at a variable rate over the entire field, but UREA is applied only to corn and soybean fields

You will need less UREA in areas that call for DAP.

Select: N – P – K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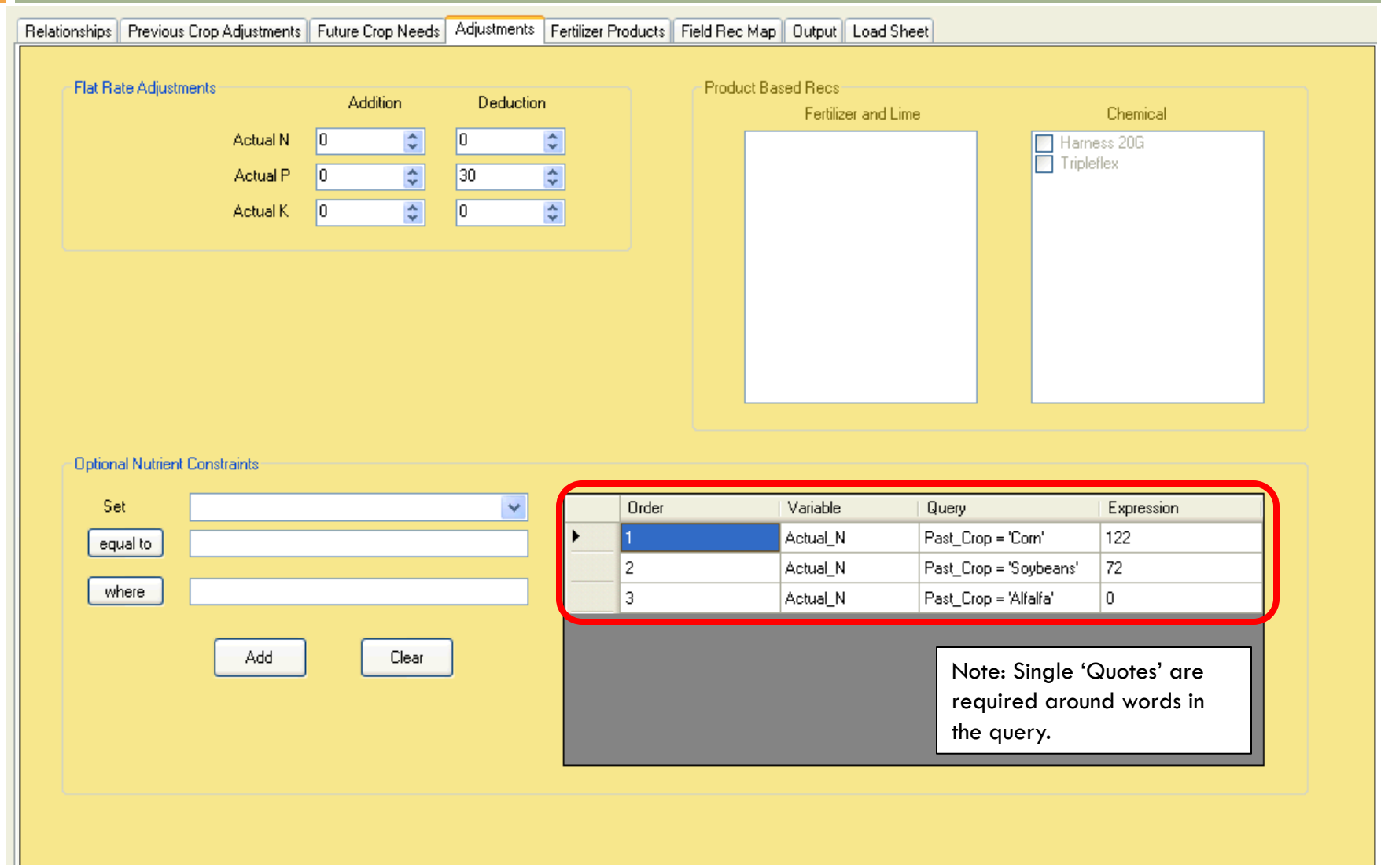
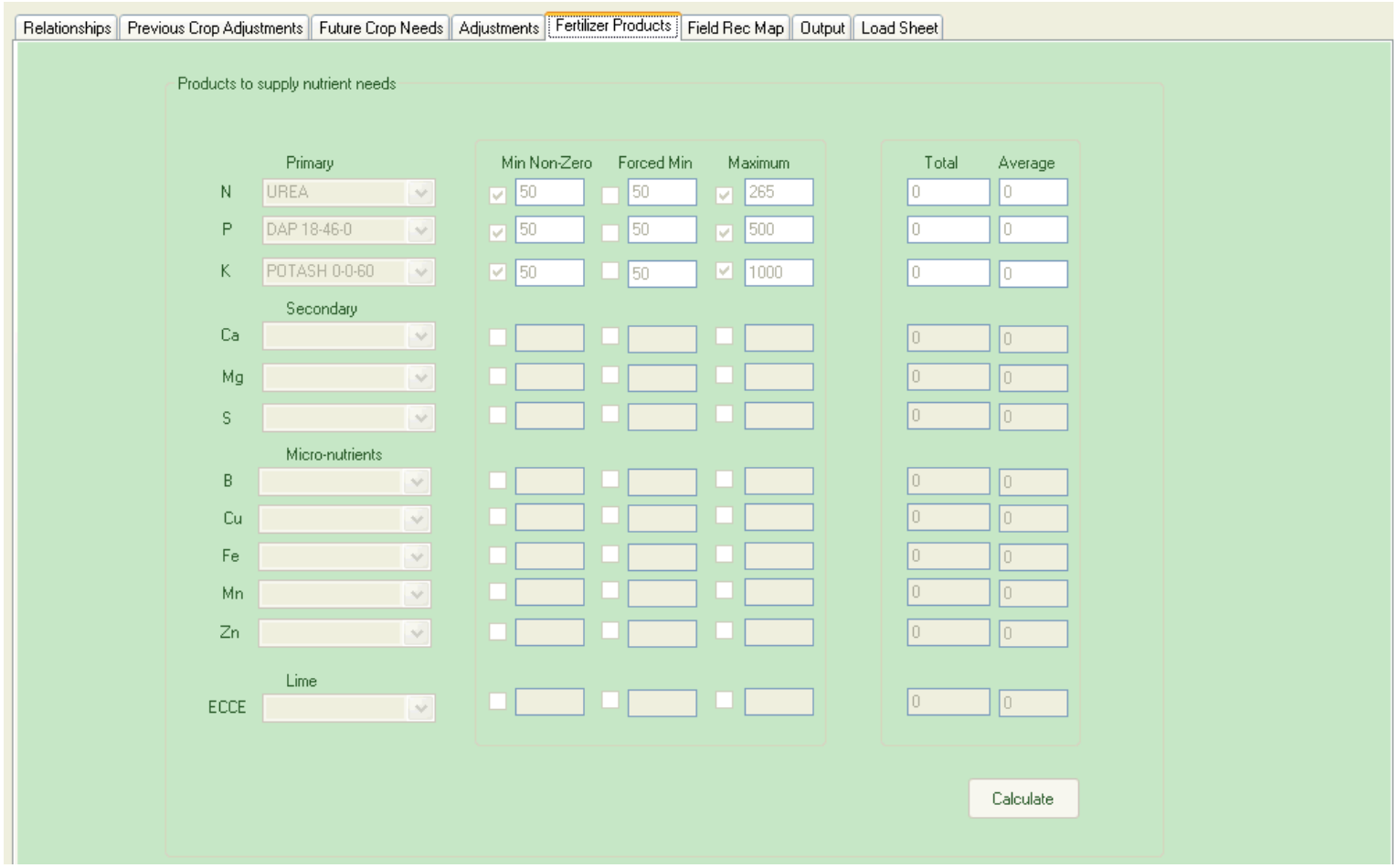
Given that we want to apply different rates of N based on Past Crop, we need to write a separate equation for each scenario.

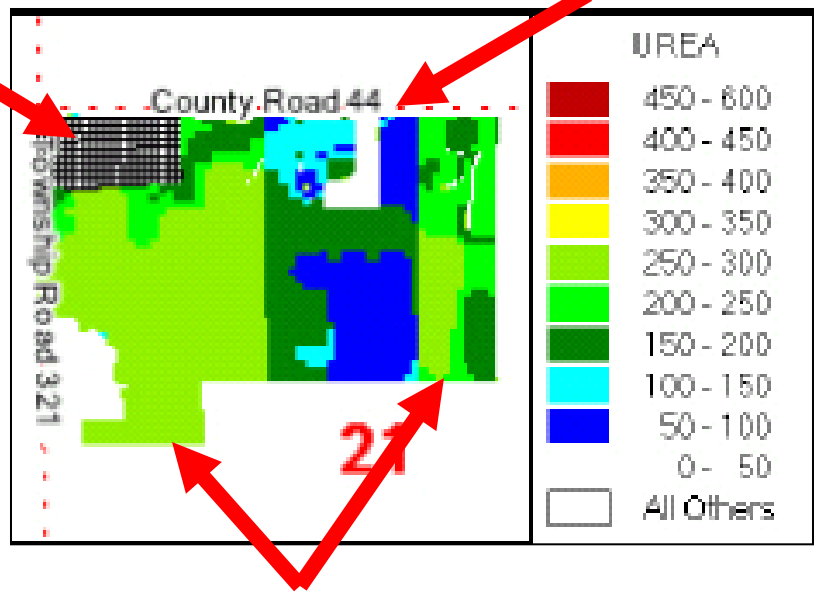


Select your products. Remember, the more DAP you have in an area, the less UREA you will need to fulfill that N requirement



Alfalfa fields will receive no actual N (0 lbs/ac)

Corn on Soybean fields will receive less actual N (72 lbs/ac)



Corn on Corn fields will receive a greater amount of actual N (122 lbs/ac)