

COMET QUARTERLY

COMET-Farm Newsletter



USDA-Lisa Bryant

COMET QUARTERLY

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What's Inside

COMET-Farm Enhancements

USDA Secretary Tom Vilsack
Announcement at CSU

Upcoming Open Trainings

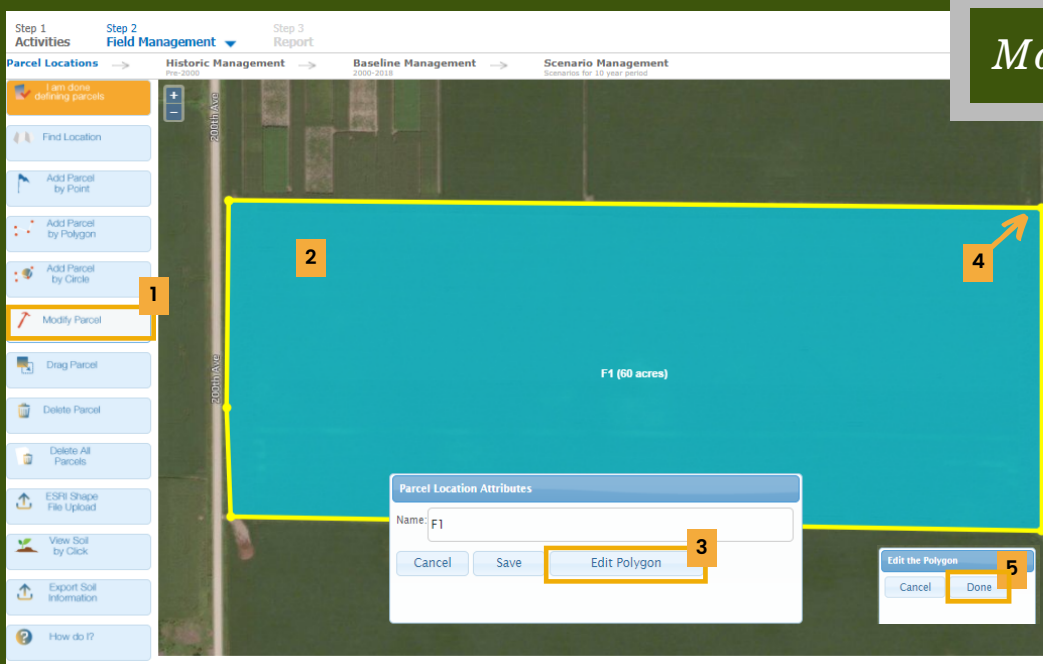
In the News



Dennis Eilers NRCS Iowa

[Click to learn how to add buffers in
COMET-Farm](#)

COMET-Farm Enhancements 2021



Modify Parcel Definitions

Users now have the ability to *easily* modify previously defined parcels with these simple steps:

1. On the Parcel Locations page, select *Modify Parcel*.
2. Select which parcel to modify
3. Select *Edit Polygon* on the pop up window
4. Using the vertices, drag the edge of the parcel to new desired shape.
5. Select *Done* on the Edit polygon window.

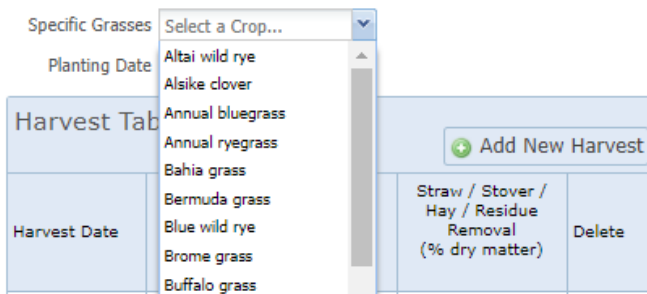
New Forage Grasses & Legumes

Users can now include specific forage grasses and legumes from a list of nearly 30 different crops. Entering management details for these crops will remain the same.

F1 in 2000 what crop did you plant, when did you plant, and when did you



of crop?:

☐ Crop/Hay/Grass ☐ Seasonal Cover Crop ☐ Orchard/Vineyard Crop ☒ Forage Grasses & Legumes



Nutrient Balance Calculator

For Parcel F1 in 2000 what were the manure application practices?

Manure Table		 View Details Corn		Total N Applied(lbs/acre):184.0				 Add New Manure Application Practice	
Date Applied	Manure Type	Amount Applied	Moisture (%)	Total Nitrogen (%)	Ammonium Nitrogen (%)	C/N Ratio	Delete		
1/1/2000	Farmyard Manure, Solid	1.00 tons/acre	45	1.20	99	11.7	X		

Tillage, Implements, Manure/Compost Application, Liming, Crop and Planting Date, Irrigation, Fertilizer Application, Burning

For Parcel F1 in 2000 what were the fertilizer application practices?

Fertilizer Application Table				View Details Corn			Total N Applied(lbs/acre):184.0		Add New Fertilizer Application Practice	
Date Applied	Fertilizer Type	Total Fertilizer Applied (lbs Fertilizer/acre)	Total N Applied (lbs N/acre)	EFP	Ammonium % (I)	Delete				
05/07/2000	Anhydrous Ammonia (gas) (82-00-00)	195.12	160	None	100	X				

Click for more details

Users can now view a nutrient balance calculator that shows the total amount of Nitrogen applied from both synthetic and organic additions. By selecting the calculator for more details, users can view all nitrogen additions(lbs N/acre) for the selected crop and year.

COMET-Farm Enhancements 2021 Cont...

Irrigation Table Updates

Irrigation Table

[Add New Irrigation Application Practice](#)

Irrigation Start Date	Irrigation End Date	Auto-Irrigate?	Threshold soil water hold capacity level to initiate auto-irrigation (%)	Irrigation Amount (inches per application)	Days Between Irrigations	Irrigation Method	Delete
6/1/2000	7/31/2000	<input type="checkbox"/>		1	7	Sprinkler - 70% Efficiency	X

Users now have the ability to add multiple irrigation events as one input as well as the ability to set an auto-irrigation. For more information, see the [new help document](#).



Secretary Vilsack at CSU

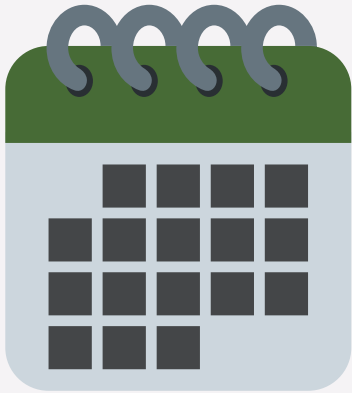
U.S. Secretary of Agriculture, Tom Vilsack, visited Colorado State University on September 29th, 2021 to unveil an extensive plan to address challenges farmers, ranchers, and foresters face in the wake of climate change and in the midst of a global pandemic.

With a goal of net zero emissions economy-wide by 2050, the USDA plans to "invest in the science in quantification of carbon sequestration and greenhouse gases," with tools such as COMET-Farm, in addition to focusing on equity across marginalized agricultural groups through partnerships, expansion of Environmental Quality Incentives Programs (EQIP), and more, detailed in the Climate-Smart Agriculture and Forestry strategy released in May.

If you missed the announcement, please visit [USDA's media page](#).

"The next generation of leaders in our food and agriculture system are depending on us to leave them a better system than the one we inherited"





Upcoming Trainings

- COMET Overview & Cropland Project Demo
Register: Thursday, October 14th 10-11am MST
- COMET Overview & Animal Ag Project Demo
Register: Thursday, November 11th 10-11am MST



 NRCS
New York



 NRCS
Maryland



 ScienceNews
INDEPENDENT JOURNALISM SINCE 1921

 Agroforward
Project



"Soil: The Dirty Climate Solution"

How to Save a Planet's Podcast sat down two farmers with two vastly different origin stories, both a path to restore and conserve agricultural lands. Listen out for ways to support farmers of color.

[LISTEN](#)



"Seeing the world through soils" Read by: Dr. Yamina Pressler

Wonder of Soil podcast reading essays about soil will inspire you to wonder at the world of soils that surround us in every walks of life.

[LISTEN](#)



"Mixing trees and crops can help both farmers and the climate"

Join Jonathan Lambert and Science News as they journey around the world exploring how alley cropping and integrating trees into crops can have cascading benefits for biodiversity and nutrient cycling.

[READ MORE](#)

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