

Adding a Conservation Planting Strip

Step 1 Activities | **Step 2** Field Management | **Step 3** Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Parcel Locations

- I am done defining parcels
- Find Location
- Add Parcel by Point
- Add Parcel by Polygon
- Add Parcel by Circle
- Modify Parcel
- Drag Parcel
- Delete Parcel
- Delete All Parcels
- ESRI Shape File Upload
- View Soil by Click
- Export Soil Information
- How do I?

If in ANY scenario you plan to incorporate a buffer (replace cropland with a perennial grass), you will need to create TWO separate parcels.

Parcel 1- Cropland Parcel in all scenarios
Parcel 2- Buffer or Cropland

Parcels should NOT be overlapping at any point

Future Buffer (2 acres)
Cropland (35 acres)

Soils | Hybrid | Aerial

Need Help?

Add parcel by polygon for buffer first. Give a descriptive name where you can recognize this parcel as the buffer when adding management and viewing the report

Add main cropland parcel by polygon. Give a descriptive name.

Add all remaining parcels and/or select "I am done defining parcels"

Because the buffer strip will be added in a future scenario, both parcels (cropland and future buffer) need to include the SAME for the historic and baseline management panes

Step 1 Activities | **Step 2** Field Management | **Step 3** Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: Cropland

Future Buffer (2 acres)
Cropland (35 acres)

Data complete | Data incomplete | Selected

For parcel Cropland (selected at left) what was its historic management?

Pre-1980 Management: Lowland Non-Irrigated (Pre 1980s)

Was this parcel enrolled in Conservation Reserve Program (CRP) at anytime before 2000? No Yes

1980-2000 Management: Non-Irrigated: Annual Crops in Rotation

1980-2000 Tillage: Intensive Tillage

<< Back | Copy | Next >>

Set Baseline Period

Select management using the dropdown menus

Select the parcel to copy the management

Select all parcels | Select none

Parcel

| |
|---------------|
| Future Buffer |
|---------------|

Historic management data can only be copied to parcels within the same county/region.

Showing 1 to 1 of 1 entries 1 row selected

Previous | 1 | Next | Copy

Select your other parcels to ensure the management was copied and/or if all parcels' historic management is complete

Step 1 Activities | **Step 2** Field Management | **Step 3** Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: Future Buffer

Future Buffer (2 acres)
Cropland (35 acres)

Data complete | Data incomplete | Selected

For parcel Future Buffer (selected at left) what was its historic management?

Pre-1980 Management: Lowland Non-Irrigated (Pre 1980s)

Was this parcel enrolled in Conservation Reserve Program (CRP) at anytime before 2000? No Yes

1980-2000 Management: Non-Irrigated: Annual Crops in Rotation

1980-2000 Tillage: Intensive Tillage

<< Back | Copy | Next >>

Set Baseline Period

Select "Next >>" to proceed to baseline management

Adding a Conservation Planting Strip

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Enter baseline management details for your first year (or all years) for your first parcel by using the *drag and drop crop rotation* button or manually by navigating through each management page.

Remember: If the buffer strip is acting as a buffer in the future scenario, it will need to have the same management as the "Cropland" parcel in the baseline.

Step 1 Activities | Step 2 Field Management | Step 3 Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: Cropland

Future Buffer (2 acres)
Cropland (35 acres)

Tillage, Implements, Manure/Compost & Planting | Liming
Fertilizer Application | Irrigation | Burning

For Parcel Cropland in 2000 did you burn crop residue (not including orchards and vineyards)?
No burning

<< Back | Next >> | Skip Ahead >>

Parcel Management Summary
[Delete Selected Crop]

Drag and Drop Crop Rotation

| | |
|------|-----------|
| 2000 | Corn |
| 2001 | Undefined |
| 2002 | Undefined |
| 2003 | Undefined |
| 2004 | Undefined |
| 2005 | Undefined |
| 2006 | Undefined |
| 2007 | Undefined |
| 2008 | Undefined |
| 2009 | Undefined |

11

Select "Next>>" to navigate page by page or "Skip Ahead>>" for the following window

12

Users may add up to 3 crops grown in the same calendar year. Planting and harvest dates can **not** overlap with multiple crops. Repeat steps 10-11 for additional crops.

Add Additional Crop?

Would you like to add an additional crop for the same year?
If you have a second crop that spans between calendar years (i.e. **winter wheat**), add it as an additional crop this year and set its harvest date to be in the following year.

Yes, add additional crop for the same year. | No Thanks, Continue >>

The *Copy Crop?* function allows users to copy management details **from** any parcel/year to another parcel/year. The parcel/year you are copying **from** will be selected with a green check mark. Use the boxes to select individual parcel years OR use the "select" option to the right of the crop name or below the year to copy to entire years/parcels. You may also copy to any other parcel with the same management.

Copy Crop?

Management for parcel Cropland for 2000 is copied. If you would like to copy the management details for other parcels and/or years, select those parcel-years and click the Copy button.

| | | | | | | | | | | | | | | | | | | | | |
|---------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 |
| Cropland | select | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Future Buffer | select | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

No, thanks>> | Copy & Continue >>

✓ Crop-Year to be copied
 Crop-Year has data

13

Note: This function *will* overwrite any management currently entered in that parcel/year, which cannot be reversed. If that parcel/year has existing management, the box will outlined in **RED**.

Continue to future management

All current management (2000-present) is defined for all parcels. You will now be taken to the Future Management page where you will define management scenarios to compare against your current management.

Keep editing >>

Continue to Future Management >>

15

Select "Keep editing>>" to review or add any management to other parcels.

Select "Continue to Future Management>>" to proceed to conservation scenarios.

Adding a Conservation Planting Strip

Step 1: Activities | **Step 2: Field Management** | **Step 3: Report**

Parcel Locations → Historic Management (Pre-2000) → **Baseline Management** (2000-2019) → Scenario Management (Scenarios for 10 year period)

16 Provide a descriptive name for your scenario (10 max. per project). To save time on entering management details if your scenario is similar to the baseline, select "Copy Management from Current Management."
Select "Start>>"

17 Make any management changes you would like to your cropland parcel (similar to Step 10).
Select "Future Buffer" parcel using the drop down menu or selecting on the map.

18 In the first year, modify the crop to "grass" or which best matches your buffer strip cover.
Remove the harvest event (if necessary).

19 Select "Next>>" to navigate through each management panes to remove default managements from the first year until you reach "burning".

20 Select the crop in the second year.

21 Modify the crop to "grass" or which best matches your buffer strip cover like in Step 18.
Select "Continue perennial crop from last year?"

Future Management Scenarios
You will now be asked to describe future land management scenarios that you would like to consider. Each scenario includes all of your parcels over a 10 year period. The previously entered data in current management would be set as your **Baseline** scenario. You may choose to create one or more future scenarios. These scenarios will be compared to your current management practices in the final report to show differences in carbon sequestration and greenhouse gas emissions.

First Management Scenario
Please enter a **name for your first management scenario** (you will have the opportunity to create additional scenarios later):
Add Buffer
 Copy management information from my Current Management
Drag and Drop Crop Rotation Or Add Conservation Practices Or Start >>

For Parcel Future Buffer in 2020 what crop will you plant, when will you plant, and when will you harvest?
What type of crop?:
 Annual Crop/Hay/Grass Seasonal Cover Crop Orchard
Crop: Grass
 Continue perennial crop from last year?
Planting Date: 05/16/2020

| Harvest Date | Grain / Fruit / Seed / Root / Tuber? | Projected Yield (tons/ac) | Straw / Stover / Hay / Residue Removal (%) | Delete |
|--------------------|--------------------------------------|---------------------------|--|--------|
| No data to display | | | | |

<< Back | **Next >>** | Skip Ahead >>

Parcel Management Summary
2020 Undefined
2021 Undefined
2022 Undefined
2023 Undefined

Parcel Management Summary
2020 Grass
2021 Corn
2022 Corn
2023 Corn
2024 Corn
2025 Corn
2026 Corn
2027 Corn

Parcel Management Summary
2020 Grass
2021 Grass
2022 Corn

Adding a Conservation Planting Strip

Step 1 Activities | Step 2 **Field Management** | Step 3 Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Selected Scenario [new]
 ▶ Add Buffer [delete] [rename]

Select a parcel: Future Buffer [CPA]

Parcel Management Summary [Delete Selected Crop]

Drag and Drop Crop Rotation

- 2020 Grass
- 2021 Grass
- 2022 Corn
- 2023 Corn
- 2024 Corn
- 2025 Corn
- 2026 Corn
- 2027 Corn

Tillage, Implements, Manure/Compost & Planting | Fertilizer Application | Irrigation | Liming | Burning

Crop and Planting Date | Fertilizer Application | Irrigation | Burning

For Parcel Future Buffer in 2021 what crop will you plant, when will you plant, and when will you harvest?

What type of crop?:
 Annual Crop/Hay/Grass Seasonal Cover Crop Orchard/Vineyard Crop

Crop: Grass

Continue perennial crop from last year?

Planting Date: 05/16/2020

| Harvest Date | Grain / Fruit / Seed / Root / Tuber? | Projected Yield (tons/ac) | Straw / Stover / Hay / Residue Removal (%) | Delete |
|--------------------|--------------------------------------|---------------------------|--|--------|
| No data to display | | | | |

22 **Next >>** Skip Ahead >>

Select "Next>>" to navigate through each management panes to remove default managements until you reach the last page. Select "Next>>"

Add Additional Crop?

Would you like to add an additional crop for the same year?

If you have a second crop that spans between calendar years (i.e. **winter wheat**), add it as an additional crop this year and set its harvest date to be in the following year.

23 **No Thanks, Continue >>**

Select "No Thanks, Continue>>" as you will not have an additional crop.

Copy Crop?

Management for parcel Future Buffer for 2021 is complete.

If you would like to copy the management details to other parcels and/or years, select those parcel-years and click the Copy button.

24

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|---------------|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Cropland | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Future Buffer | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

25 **Copy & Continue >>**

Copy management from this second year of buffer management to the following years, overwriting any existing management copied from the baseline.

Note: Copying management from the *first* year would indicate to the system that the grass would be replanted every year.

If you are done making any changes and/or adding scenarios (max. 10) to your scenario management, select "Continue to Report>>".

Select "Keep Editing" to modify any scenarios added at this point.

Select "Create New Scenario" if you would like to investigate any other conservation scenarios. You will have the ability to copy management from one scenario to any new scenario to minimize data entry.

Future Management Scenarios

Are you ready to run your report?

Continue to Report >>

If Not...

Create New Scenario Or **Keep Editing**

Interpreting a report with an added conservation planting strip

| Source | Baseline Emissions | | Add Buffer | | | |
|--|--------------------|-----------------------|-------------|-----------------------|-------------|-----------------------|
| | Emissions | +/- | Emissions | +/- | Change | +/- |
| Cropland (35 acres - Corn) | | | | | | |
| C (tonnes CO ₂ equiv./yr.) | -2.1 | NR [†] | -2.1 | NR [†] | 0.0 | NR [†] |
| CO ₂ (tonnes/yr.) | 0.0 | +0/-0 | 0.0 | +0/-0 | 0.0 | +0/-0 |
| CO (tonnes CO ₂ equiv./yr.) | 0.0 | +0/-0 | 0.0 | +0/-0 | 0.0 | +0/-0 |
| N ₂ O (tonnes CO ₂ equiv./yr.) | 23.6 | NR [†] | 23.6 | NR [†] | 0.0 | NR [†] |
| CH ₄ (tonnes CO ₂ equiv./yr.) | 0.0 | +0/-0 | 0.0 | +0/-0 | 0.0 | +0/-0 |
| Total | 21.5 | NR[†] | 21.5 | NR[†] | 0.0 | NR[†] |
| Future Buffer (2 acres - Corn, Grass) | | | | | | |
| C (tonnes CO ₂ equiv./yr.) | -0.3 | NR [†] | -0.4 | NR [†] | 0.0 | NR [†] |
| CO ₂ (tonnes/yr.) | 0.0 | +0/-0 | 0.0 | +0/-0 | 0.0 | +0/-0 |
| CO (tonnes CO ₂ equiv./yr.) | 0.0 | +0/-0 | 0.0 | +0/-0 | 0.0 | +0/-0 |
| N ₂ O (tonnes CO ₂ equiv./yr.) | 1.6 | NR [†] | 0.4 | NR [†] | -1.1 | NR [†] |
| CH ₄ (tonnes CO ₂ equiv./yr.) | 0.0 | +0/-0 | 0.0 | +0/-0 | 0.0 | +0/-0 |
| Total | 1.3 | NR[†] | 0.1 | NR[†] | -1.2 | NR[†] |
| Total (all parcels) | 22.7 | NR[†] | 21.6 | NR[†] | -1.2 | NR[†] |

Expand to view sub-source categories

Baseline "Business as Usual" emissions and uncertainty.

Emissions and uncertainty associated with conservation scenario

Change in emissions compared to the baseline and uncertainty associated with conservation scenario

All emissions provided as average annual metric tons of CO₂ equivalent over a 10 year period per parcel.

In this project baseline, all 37 acres (both parcels) were in corn production for the 20 year baseline the following management: Intensively tilled and typical fertilizer additions at time of planting and a yearly harvest. This management is reflected across both *Cropland parcel* and *Future Buffer parcel*.

In the scenario, **Add Buffer**, 2 acres were removed from corn production and converted to perennial grass with no management. For purposes of water quality assessment, the fields were linked, though this is only reflected on the NTT-Water Quality report (a separate reporting page).

Completed your historic/baseline management and forgot to add a buffer?

1

Step 1 Activities

Step 2 **Field Management**

Step 3 Report

Parcel Locations → Historic Management → **Baseline Management** → Scenario Management

Blue highlight indicates which section you are inputting data

Select *Parcel Locations* to return to the mapping page.

For Parcel Cropland in 2000 what crop did you plant, when did you plant, and when did you harvest?

What type of crop?:
 Annual Crop/Hay/Grass
 Seasonal Cover Crop
 Orchard/Vineyard Crop
 Forage Grasses & Legumes

Crop:

Planting Date:

| Harvest Date | Grain / Fruit / Seed / Root / Tuber? | Yield (bu/ac) | Straw / Stover / Hay / Residue Removal (% dry matter) | Delete |
|-------------------|--------------------------------------|---------------|---|--------|
| + Add New Harvest | | | | |

Completed your historic/baseline management and forgot to add a buffer?

Step 1 Activities | Step 2 Field Management | Step 3 Report

Parcel Locations | Historic Management | Baseline Management | Scenario Management

Soils | Hybrid | Aerial

2 **Modify Parcel**

Select *Modify Parcel* and select the parcel where land in production will partially be replaced with a buffer

Cropland (38 acres)

Need Help?

Parcel Location Attributes

Name: Cropland

3 **Edit Polygon**

Select *Edit Polygon*

Cancel Save Edit Polygon

4 Move each vertices to create room for new buffer parcel/polygon.

5 **Done**

Select *Done* on the Edit the Polygon window

9 **Add Parcel by Polygon**

6 Create the buffer parcel that borders your original parcel. *Parcels should NOT be overlapping at any point* Provide a descriptive name and select *Save Location*. Select *I am done defining parcels*.

7 **future buffer**

8 **Save Location**

Need Help?

Continued on next page

Completed your historic/baseline management and forgot to add a buffer?

You will need to enter historic and baseline management for this new parcel. You will not be able to move to the next management page until these are completed.

Remember, because the buffer strip will be added in a future scenario, both parcels (cropland and future buffer) need to include the SAME for the historic and baseline management panes

Step 1 Activities | Step 2 **Field Management** | Step 3 Report

Parcel Locations → **Historic Management** (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: **future buffer** 10

For parcel future buffer (selected at left) what was its historic management?

Pre-1980 Management: [Dropdown]

Was this parcel enrolled in Conservation Reserve Program(CRP) at anytime before 2000? No Yes

1980-2000 Management: [Dropdown]

1980-2000 Tillage: [Dropdown]

Enter the details of the **most recent** soil P test

Type of Soil P Test: [Dropdown]

Amount PPM: [Input]

Date: 01/01/2001

<< Back | Copy | Next >>

Select the *cropland* parcel from the dropdown menu above the small map

Step 1 Activities | Step 2 **Field Management** | Step 3 Report

Parcel Locations → **Historic Management** (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: **Cropland**

For parcel Cropland (selected at left) what was its historic management?

Pre-1980 Management: **Lowland Non-Irrigated (Pre 1980s)**

Was this parcel enrolled in Conservation Reserve Program(CRP) at anytime before 2000? No Yes

1980-2000 Management: **Non-Irrigated: Annual Crops in Rotation**

1980-2000 Tillage: **Intensive Tillage**

Enter the details of the **most recent** soil P test

Type of Soil P Test: **Fe-strip P**

Amount PPM: 90

Date: 01/01/2001

Select all parcels | Select none | Search: [Input]

Parcel: **future buffer** 12

Historic management data can only be copied to parcels within the same county/region.

Showing 1 to 1 of 1 entries | 1 row selected

Previous | 1 | Next | **Copy** 13

11 | **Copy** | 14 | **Next >>**

Select the *Copy* and a small window will appear. Select your new *future buffer* parcel. Select *Copy*.

Select *Next* to move on to *Baseline Management*

Step 1 Activities | Step 2 **Field Management** | Step 3 Report

Parcel Locations → **Historic Management** (Pre-2000) → **Baseline Management** (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: **Cropland**

For Parcel Cropland in 2000 what crop did you plant, when did you plant, and when did you harvest?

What type of crop?: Annual Crop/Hay/Grass Seasonal Cover Crop Orchard/Vineyard Crop Forage Grasses & Legumes

Crop: **Corn**

Planting Date: 05/16/2000

Harvest Table

| Harvest Date | Grain / Fruit / Seed / Root / Tuber? | Yield (bu/ac) | Straw / Stover / Hay / Residue Removal (% dry matter) | Delete |
|--------------|--------------------------------------|---------------|---|--------|
| 10/16/2000 | <input checked="" type="checkbox"/> | 181 | 0 | X |

15 | **Next >>** | **Skip Ahead >>**

Add Additional Crop?

Would you like to add an additional crop for the same year?

If you have a second crop that spans between calendar years (i.e. winter wheat), add it as an additional crop this year and set its harvest date to be in the following year.

16 | **Yes, add additional crop for the same year.** | **No Thanks, Continue >>**

16 | **Skip Ahead >>** | **No Thanks, Continue >>**

Select *Skip Ahead >>* and *No Thanks, Continue >>* on the *Add Additional Crop?* window.

Completed your historic/baseline management and forgot to add a buffer?

Step 1 Activities | Step 2 Field Management | Step 3 Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Select a parcel: Cropland

future buffer (2 acres)
Cropland (35 acres)

Tillage, Implements, Manure/Compost Application | Liming | Drainage

Crop and Planting Date | Irrigation | Fertilizer Application | Burning

For Parcel Cropland in 2000 what crop did you plant, when did you plant, and when did you harvest?

What type of crop?:
 Annual Crop/Hay/Grass
 Seasonal Cover Crop
 Orchard/Vineyard Crop
 Forage Grasses & Legumes

Crop: Corn
Planting Date: 05/16/2000

Copy Crop?

Management for parcel Cropland for 2000 is complete.
If you would like to copy the management details to other parcels and/or years, select those parcel-years and click the Copy button.

| | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | |
|---------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Cropland | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select | select |
| future buffer | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

No, thanks >> | Copy & Continue >>

Because all years in the baseline in this sample project have the same management, we have copied the first year of management from the Cropland parcel to the Future Buffer by selecting all years in the baseline.

Continue to future management

All current management (2000-present) is defined for all parcels. You will now be taken to the Future Management page where you will define management scenarios to compare against your current management.

Keep editing >> | Continue to Future Management >>

If your management varies from year to year in the baseline, you will need to select the crop year on the left pane and repeat steps 15-18 (selecting *Keep Editing*>>) until the management on your Future Buffer parcel matches the Cropland management the buffer parcel is adjacent to.

When your *Future Buffer* parcel matches the *Cropland* parcel in management, select *Continue to Future Management* >>

Step 1 Activities | Step 2 Field Management | Step 3 Report

Parcel Locations → Historic Management (Pre-2000) → Baseline Management (2000-2019) → Scenario Management (Scenarios for 10 year period)

Selected Scenario [new]

Select a parcel: Cropland [CPA]

Future Buffer (2 acres)
Cropland (35 acres)

Tillage, Implements, Manure/Compost Application | Liming

Crop and Planting Date | Fertilizer Application | Irrigation | Burning

For Parcel in 2020 what crop will you plant, when will you plant, and when will you harvest?

Future Management Scenarios

You will now be asked to describe future land management scenarios that you would like to consider. Each scenario includes all of your parcels over a 10 year period. The previously entered data in current management would be set as your **Baseline** scenario. You may choose to create one or more future scenarios. These scenarios will be compared to your current management practices in the final report to show differences in carbon sequestration and greenhouse gas emissions.

First Management Scenario

Please enter a name for your first management scenario (you will have the opportunity to create additional scenarios later):

Add Buffer

Copy management information from my Current Management

Drag and Drop Crop Rotation | Or | Add Conservation Practices | Or | Start >>

Provide a descriptive name for your scenario (10 max. per project). To save time on entering management details if your scenario is similar to the baseline, select "Copy Management from Current Management." If you do not check this box, you can add details from scratch.

Select "Start>>"

Completed your historic/baseline management and forgot to add a buffer?

Because you selected *copy management* in the previous step, the management in this scenario will look *identical* to the baseline *until* you make changes.

Select "Future Buffer" parcel using the drop down menu or selecting on the map.

22 Add Buffer [delete] [rename]

Select a parcel: Future Buffer [CPA]

Future Buffer (2 acres)
Cropland (35 acres)

Data complete Data incomplete Selected

Parcel Management Summary [Delete Selected Crop]

Drag and Drop Crop Rotation

- 2020 Grass
- 2021 Corn
- 2022 Corn
- 2023 Corn
- 2024 Corn
- 2025 Corn
- 2026 Corn
- 2027 Corn

What type of crop?:
 Annual Crop/Hay/Grass
 Seasonal Cover Crop
 Other

Crop: Grass

Continue perennial crop from last year?

Planting Date: 05/16/2020

| Harvest Date | Grain / Fruit / Seed / Root / Tuber? | Projected Yield (tons/ac) | Straw / Stover / Hay / Residue Removal (%) | Delete |
|--------------------|--------------------------------------|---------------------------|--|--------|
| No data to display | | | | |

Harvest Table [Add New Harvest]

<< Back **24** Next >> Skip Ahead >>

In the first year, modify the crop to "grass" or whichever crop best matches your buffer strip cover.

Remove the harvest event (if necessary).

Select "Next>>" to navigate through each management panes to remove default managements from the first year until you reach "burning".

Selected Scenario [new]

Add Buffer [delete] [rename]

Select a parcel: Future Buffer [CPA]

Future Buffer (2 acres)
Cropland (35 acres)

Data complete Data incomplete Selected

Parcel Management Summary [Delete Selected Crop]

Drag and Drop Crop Rotation

- 2020 Grass
- 2021 Grass**
- 2022 Corn
- 2023 Corn
- 2024 Corn
- 2025 Corn
- 2026 Corn
- 2027 Corn

What type of crop?:
 Annual Crop/Hay/Grass
 Seasonal Cover Crop
 Other

Crop: Grass

Continue perennial crop from last year?

Planting Date: 05/16/2020

| Harvest Date | Grain / Fruit / Seed / Root / Tuber? | Projected Yield (tons/ac) | Straw / Stover / Hay / Residue Removal (%) | Delete |
|--------------------|--------------------------------------|---------------------------|--|--------|
| No data to display | | | | |

Harvest Table [Add New Harvest]

<< Back **27** Next >> Skip Ahead >>

Select the crop in the second year.

Modify the crop to "grass" or which best matches your buffer strip cover like in Step 23.

Select "Continue perennial crop from last year?"

Select "No Thanks, Continue>>" as you will not have an additional crop for a buffer.

28 Add Additional Crop?

Would you like to add an additional crop for the same year?

If you have a second crop that spans between calendar years (i.e. winter wheat), add it as an additional crop this year and set its harvest date to be in the following year.

Yes, add additional crop for the same year. **No Thanks, Continue >>**

Select "Next>>" to navigate through each management panes to remove default managements until you reach the last page. Select "Next>>"

Completed your historic/baseline management and forgot to add a buffer?

Copy Crop?

Management for parcel Future Buffer for 2021 is complete.

If you would like to copy the management details to other parcels and/or years, select those parcel-years and click the Copy button.

Crop-Year to be copied

Crop-Year has data

| | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 |
|---------------|--------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Cropland | select | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Future Buffer | select | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

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No, thanks>> Copy & Continue >> 30

Copy management from this second year of buffer management to the following years, overwriting any existing management copied from the baseline.

Note: Copying management from the *first year* would indicate to the system that the grass would be replanted every year.

Future Management Scenarios

Are you ready to run your report?

Continue to Report >>

If Not...

Create New Scenario Or Keep Editing

At this point, your historic management and baseline management for both the *future buffer* and *cropland* parcel have identical management. The future management for the *future buffer* parcel is now unmanaged grass. Your *cropland* future management still has identical management to your baseline.

Read through the next 3 options to determine your next step:

1. Select "Keep Editing" to modify any existing scenarios added at this point. Select "Keep Editing" if you plan to make changes to your *cropland* parcel for this scenario.
2. Select "Create New Scenario" if you would like to investigate any other conservation scenarios. You will have the ability to copy management from one scenario to any new scenario to minimize data entry.
3. If you are done making any changes and/or adding scenarios (max. 10) to your scenario management, select "Continue to Report>>". Return to page 5 for help interpreting the GHG report.