

MICHIGAN STATE  
UNIVERSITY  
EXTENSION

Extension Bulletin E-2342 • Updated • March 2009

# Recordkeeping System for Crop Production

- Pesticide application
- Nutrient application
- Manure application
- Animal burial & composting
- Irrigation
- Employee training



Farm Name:	Farm Owner:		
Address:	City:	Township:	Zip Code:
County:			

**Why keep production records?**

- Keeping records meets the requirements of various state and federal regulations.
- Complete and accurate records help demonstrate your protection of soil, water and other environmental resources. Records will help you analyze the performance of your farm's cropping system.
- Records may provide liability protection in the event of a complaint or lawsuit concerning your farming operation.
- Complete records demonstrate conformance with Michigan Right-to-Farm guidelines and are needed for Michigan Agriculture Environmental Assurance Program (MAEAP) system verification.

**Table of Contents**

Index for Individual Fields ..... i

Laws Related to Pesticide Recordkeeping ..... ii

Required Pesticide Information ..... ii

Pesticide Applicator Information ..... iii

Calibration of Application Equipment ..... iii

Pesticide Drift Management Plan ..... iv

Individual Field Record Sheets ..... 1-39

Manure Application Records ..... 1-39

Record for Manure Hauled Off-site ..... 40

Manure Storage Inspection Record ..... 40

Animal Burial Record ..... 41

Animal Tissue Composting Record ..... 42

Irrigation Application Record ..... 43

Employee Training Record ..... 44

- Worker Protection Standard ..... 44
- CNMP employee training ..... 44
- Other employee training ..... 44

Report any pesticide, fertilizer or manure spills to:

Michigan Department of Agriculture

**AGRICULTURE POLLUTION  
EMERGENCY HOT LINE**

**1-800-405-0101**

General agriculture information questions should be directed to MDA's general information number

**1-800-292-3939**

# Index for Individual Fields

Field No.	Field ID	Field description/location
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		
14.		
15.		
16.		
17.		
18.		
19.		
20.		
21.		
22.		
23.		
24.		
25.		
26.		
27.		
28.		
29.		
30.		
31.		
32.		
33.		
34.		
35.		
36.		
37.		
38.		
39.		

## Laws Related to Pesticide Recordkeeping

The federal pesticide recordkeeping regulations and the Worker Protection Standard are laws that require recording certain pesticide application information. Michigan Right-to-Farm generally accepted agricultural and management practices advocate keeping some additional records to reduce liability, but these practices are voluntary. **In the Pesticide Applications chart for individual field records, required and recommended information items are in bold print. The following charts also contain required pesticide and applicator information.**

1. Federal pesticide recordkeeping regulations require that you record any restricted-use pesticide (RUP) applications within 14 days of the application and that you keep the records for two years.
2. The Worker Protection Standard requires that you post application information for at least 30 days after the end of the restricted-entry interval (REI) or, if there is no REI, for at least 30 days after the end of the application.

### Required Pesticide Information

Pesticide name and formulation	EPA registration number	Active ingredients	REI (hrs.)
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____
12. _____	_____	_____	_____
13. _____	_____	_____	_____
14. _____	_____	_____	_____
15. _____	_____	_____	_____
16. _____	_____	_____	_____
17. _____	_____	_____	_____
18. _____	_____	_____	_____
19. _____	_____	_____	_____
20. _____	_____	_____	_____
21. _____	_____	_____	_____
22. _____	_____	_____	_____
23. _____	_____	_____	_____
24. _____	_____	_____	_____
25. _____	_____	_____	_____

## Pesticide Applicator Information

Applicator name \_\_\_\_\_ Certification number \_\_\_\_\_

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_
7. \_\_\_\_\_
8. \_\_\_\_\_
9. \_\_\_\_\_
10. \_\_\_\_\_

## Calibration of Application Equipment

To apply the correct amount of fertilizer, pesticide, ag lime, and/or animal manure to your field, application equipment should be calibrated. For proper management of nutrients and pesticides, the amounts per acre applied should be known. This will ensure efficient utilization of these materials for crop production and minimal risk of environmental pollution.

For guidance regarding calibration of equipment, contact your county Michigan State University Extension office.

**Date of last fertilizer spreader calibration**      **Month**      **Year**

Name of 1st spreader \_\_\_\_\_

Name of 2nd spreader \_\_\_\_\_

**Date of last pesticide applicator calibration**

Name of 1st applicator \_\_\_\_\_

Name of 2nd applicator \_\_\_\_\_

**Date of last manure spreader calibration**

Name of 1st spreader \_\_\_\_\_

Name of 2nd spreader \_\_\_\_\_

## Pesticide Drift Management Plan

**Directions:** Complete all applicable sections and maintain plan on file in case of a complaint. A drift management plan must be reviewed annually by the pesticide applicator or completed each time off-target pesticide drift occurs. This plan meets the requirements of Pesticide Use Regulation No. 637.

### 1) Planning a pesticide application

Read the pesticide label(s) to identify drift management requirements.	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Is off-target pesticide drift likely?	Yes <input type="checkbox"/>	No (Spray cautiously; a drift management plan is not required. If drift does occur, complete sections 2-5 below.) <input type="checkbox"/>
If yes, what is the possible direction of off-target drift?	N NE E SE S SW W NW	
Are there sensitive areas (homes, crops, plants, people, livestock, etc.) that may receive off-target drift?	Yes <input type="checkbox"/>	No (Spray cautiously; a drift management plan is required whenever off-target drift is likely. Complete sections 2-5 below.) <input type="checkbox"/>
Document the informed consent of the residents in the affected areas to off-target drift (before application). Get signatures if possible. If not all residents agree, then you should delay pesticide application until off-target drift is NOT likely to occur.		
Resident name:	Sensitive area(s):	Date of consent:
_____	_____	_____
_____	_____	_____

### 2) Pesticide application information\*

Date of application:	Time of application:
_____	_____
Wind speed:	Other data:
_____	_____
Field(s)/farm(s):	
_____	
Applied pesticide(s) and EPA registration number(s):	_____ General use _____ Restricted-use pesticide
_____	_____ General use _____ Restricted-use pesticide
_____	_____ General use _____ Restricted-use pesticide

\*Your regular pesticide recordkeeping form should agree with this section and include all state and federal required application information.

## Pesticide Drift Management Plan (cont.)

3) Indicate (✓) the pesticide off-target drift-reducing practices that will be or were used:

Larger spray droplet sizes: <input type="checkbox"/> Larger nozzle size <input type="checkbox"/> Reduced spray pressure <input type="checkbox"/> Increased spray volume <input type="checkbox"/> Spray additive or thickeners	<input type="checkbox"/> Specialized equipment designed to minimize drift (drift-reducing nozzle types)
<input type="checkbox"/> Reduce the release distance from sprayer tip to target	<input type="checkbox"/> A no-spray buffer strip
<input type="checkbox"/> Identify maximum wind speed and direction when application can be made	<input type="checkbox"/> Wind shields on sprayer
<input type="checkbox"/> Windbreaks to contain or deflect spray drift	<input type="checkbox"/> Other practices (specify):
_____	_____

4) **Notification documentation:** If off-target pesticide drift occurred, then before leaving the application site, the applicator must provide either verbal or written information to the residents of the affected areas. The information must include at least the name, address and phone number of a person who may be contacted regarding the pesticide application.

Resident(s) impacted	Method of notification			Date and time
	Verbal	Sign	Written letter	

### 5) Name of pesticide applicator

Complete this form anytime that off-target pesticide drift occurs or annually when reviewed by the pesticide applicator. Keep a written copy of this plan on file.

Pesticide applicator and certification number (if applicable)	Date
_____	_____
_____	_____



**Field Sketch**

Notes or harvest information	
Date	

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

**Manure Application Record**

Date of application	Manure source	Spreader used	No. of loads	Acres covered**	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Firm Dry Wet	Wind	Application rate*
									Frozen Snow		
Direction (choose one)	Speed (choose one)	Planned	Actual	Name of applicator							

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

Field Sketch

Manure Application Record

Application rate*	Name of applicator																			
	Actual																			
Planned																				
Wind	Direction (choose one)	W SW N NW	S SE E NE																	
	Speed (choose one)	Calm Breezy	Light Windy																	
Soil conditions (choose one)	Firm Dry Wet																			
	Frozen Snow																			
Air temp																				
Check field tiles?																				
Date of incorporation																				
Acre covered**																				
No. of loads																				
Spreader used																				
Manure source																				
Date of application																				

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\*If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Notes or harvest information	
Date	

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

Planting Information

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

Pesticide Applications

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.





Field Sketch

Manure Application Record

Name of applicator																				
Actual																				
Planned																				
Application rate*																				
Wind																				
Direction (choose one)																				
Speed (choose one)																				
Soil conditions (choose one)																				
Air temp																				
Check field tiles?																				
Date of incorporation																				
Acres covered**																				
No. of loads																				
Spreader used																				
Manure source																				
Date of application																				

Notes or harvest information

Date

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre

Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre

\*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_

Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

Planting Information

Planting date \_\_\_\_\_

Population/seeding rate used \_\_\_\_\_

Tillage used \_\_\_\_\_

Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

Pesticide Applications

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

Field Sketch

Manure Application Record

	Name of applicator																			
	Actual	Planned																		
Application rate*																				
Wind																				
Direction (choose one)	W SW N NW      S SE E NE      Light Windy																			
Speed (choose one)	Calm Breezy																			
Soil conditions (choose one)	Firm Dry Wet      Frozen Snow																			
Air temp																				
Check field tiles?																				
Date of incorporation																				
Acres covered**																				
No. of loads																				
Spreader used																				
Manure source																				
Date of application																				

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\*If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

Planting Information

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

Pesticide Applications

Date (month/day/year)	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*, **			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.



Field Sketch

Manure Application Record

Application rate*																				
Name of applicator																				
Actual																				
Planned																				
Direction (choose one)																				
Speed (choose one)																				
Soil conditions (choose one)																				
Air temp																				
Check field tiles?																				
Date of incorporation																				
Acres covered***																				
No. of loads																				
Spreader used																				
Manure source																				
Date of application																				

Date \_\_\_\_\_

Notes or harvest information \_\_\_\_\_

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

Planting Information

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

Pesticide Applications

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

Field Sketch

Manure Application Record

Date of application																				
Manure source																				
Spreader used																				
No. of loads																				
Acres covered**																				
Date of incorporation																				
Check field tiles?																				
Air temp																				
Soil conditions (choose one)																				
Wind																				
Application rate*																				
Planned																				
Actual																				
Name of applicator																				

Date																				
Notes or harvest information																				

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_  
 Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

Planting Information

Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

Pesticide Applications

Date (month/day/year)	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

### Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

### Planting Information

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

### Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

### Pesticide Applications

Date (month/day/year)	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application**,†			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.

† Not required.

\*\* Recommended by Right-to-Farm management practices but not required by federal law.

### Manure Application Record

Name of applicator	Application rate*	Direction (choose one)	Wind	Soil conditions (choose one)	Air temp	Check field tiles?	Date of incorporation	Acres covered**	No. of loads	Spreader used	Manure source	Date of application

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre

Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre

\*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

### Field Sketch



Date	Notes or harvest information

Date	

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

	Name of applicator												
Application rate <sup>‡</sup>	Actual	Planned	Direction (choose one)	Speed (choose one)	Soil conditions (choose one)	Air temp	Check field tiles?	Date of incorporation	Acres covered <sup>**</sup>	No. of loads	Spreader used	Manure source	Date of application
			W SW N NW S SE E NE	Calm Breezy Light Windy	Firm Dry Wet Frozen Snow								

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

Date (month/day/year)	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre <sup>**</sup>			
Total amount applied			
Carrier volume per acre <sup>**</sup>			
Method of application <sup>*,**</sup>			
Target pest <sup>**</sup>			
Crop growth stage <sup>†</sup>			
Wind speed <sup>†</sup>			
Wind direction <sup>†</sup>			
Temperature <sup>†</sup>			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.





Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

Date (month/day/year)	Application		
	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application***			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	
Actual Application rate*	
Planned	

**Field Sketch**



Date	

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Date of application	
Manure source	
Spreader used	
No. of loads	
Acres covered**	
Date of incorporation	
Check field tiles?	
Air temp	
Soil conditions (choose one)	Firm Dry Wet Frozen Snow
Speed (choose one)	Calm Breezy Light Windy
Direction (choose one)	W SW N NW S SE E NE
Wind	
Application rate*	

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.







Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

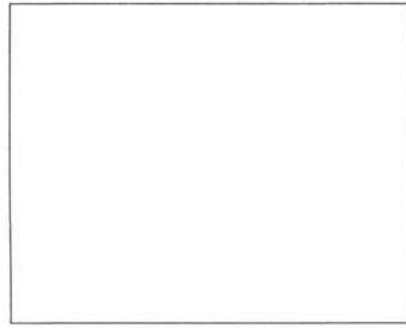
	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	Application rate*	Planned	Actual	Date of application	Manure source	Spreader used	No. of loads	Acres covered**	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Wind					
													Direction (choose one)	Speed (choose one)	Wind			

**Field Sketch**



Notes or harvest information	
Date	

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.

† Not required.

\*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	Application rate*	Planned	Actual	Date of application	Manure source	Spreader used	No. of loads	Acres covered**	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Wind	
													Direction (choose one)	Speed (choose one)

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

**Field Sketch**

Notes or harvest information	
Date	









Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

Date (month/day/year)	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application *, **			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	Application rate*	Planned	Actual	Direction (choose one)	Wind	Soil conditions (choose one)	Air temp	Check field tiles?	Date of incorporation	Acres covered**	No. of loads	Spreader used	Manure source	Date of application

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

**Field Sketch**



Notes or harvest information
Date

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

### Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_

Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

### Planting Information

Planting date \_\_\_\_\_

Population/seeding rate used \_\_\_\_\_

Tillage used \_\_\_\_\_

### Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

### Pesticide Applications

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*, **, **			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

### Manure Application Record

Name of applicator	Application rate *	Actual	Planned	Direction (choose one)	Wind	Soil conditions (choose one)		Air temp	Check field tiles?	Date of incorporation	Acres covered**	No. of loads	Spreader used	Manure source	Date of application
						Firm Dry Wet	Frozen Snow								

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 † If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

### Field Sketch



Notes or harvest information	
Date	



Field Sketch

Large empty box for field sketch.

Manure Application Record

Table with columns for Name of applicator, Application rate\*, Actual, Planned, Direction, Speed, Soil conditions, Air temp, Check field tiles?, Date of incorporation, Acres covered, No. of loads, Spreader used, Manure source, Date of application.

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre

Notes or harvest information table with Date column.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_
Nutrients needed (lb/acre) N \_\_\_\_\_ P2O5 \_\_\_\_\_ K2O \_\_\_\_\_

Planting Information

Planting date \_\_\_\_\_
Population/seeding rate used \_\_\_\_\_
Tillage used \_\_\_\_\_

Fertilizer/Lime Application

Table with columns: Date, Type & analysis, Rate applied, Method application

Pesticide Applications

Table with columns: Date (month/day/year), 1st, 2nd, 3rd. Rows include: Time application completed, Chemical applied, Rate per acre, Total amount applied, Carrier volume per acre, Method of application, Target pest, Crop growth stage, Wind speed, Wind direction, Temperature, Name of applicator.

\* If the whole field was not covered, note area treated on the field sketch.
† Not required.
\*\* Recommended by Right-to-Farm management practices but not required by federal law.









Field ID \_\_\_\_\_

Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

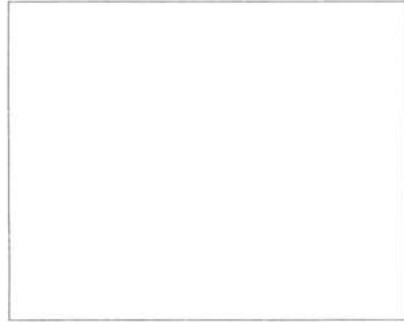
	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
<b>Name of applicator</b>			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	Application rate *	Planned	Actual	Direction (choose one)	Wind W SW N NW Calm Breezy Light Windy S SE E NE	Soil conditions (choose one)	Air temp	Check field tiles?	Date of incorporation	Acres covered**	No. of loads	Spreader used	Manure source	Date of application

**Field Sketch**



Notes or harvest information
Date

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.



Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

Date (month/day/year)	Application		
	1st	2nd	3rd
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

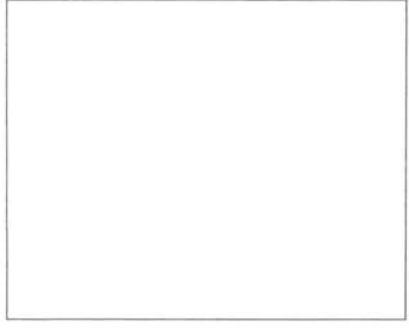
**Manure Application Record**

Name of applicator	Planned	Actual	Application rate*	Wind	Soil conditions (choose one)	Firm Dry Wet	Frozen Snow	Air temp	Check field tiles?	Date of incorporation	Acres covered**	No. of loads	Spreader used	Manure source	Date of application

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Notes or harvest information
Date

**Field Sketch**



Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

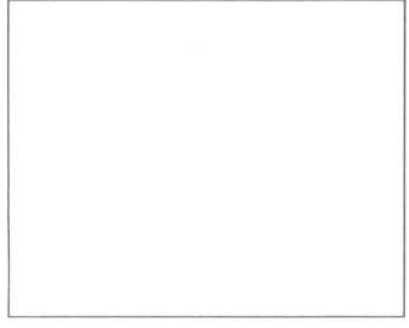
	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application *,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator							
Actual							
Planned							
Application rate*							
Wind							
Direction (choose one)	W SW N NW	S SE E NE	Calm Breezy	Light Windy	Firm Dry Wet	Frozen Snow	
Speed (choose one)							
Soil conditions (choose one)							
Air temp							
Check field tiles?							
Date of incorporation							
Acres covered**							
No. of loads							
Spreader used							
Manure source							
Date of application							

**Field Sketch**



\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

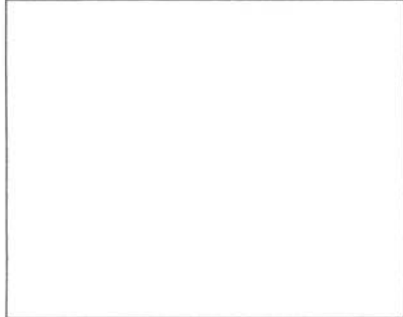
**Manure Application Record**

Application rate*	Name of applicator	Planned	Actual	Date of application	Manure source	Spreader used	No. of loads	Acres covered***	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Wind						
													Direction (choose one)	Speed (choose one)	Wind	Soil			

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Notes or harvest information	
Date	

**Field Sketch**



Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application *, **			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	Application rate*	Actual	Planned	Wind	Direction (choose one)	Speed (choose one)	Soil conditions (choose one)	Air temp	Check field tiles?	Date of incorporation	Acres covered**	No. of loads	Spreader used	Manure source	Date of application

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

**Field Sketch**

Date	
Notes or harvest information	





Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application***			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\*\* Recommended by Right-to-Farm management practices but not required by federal law.

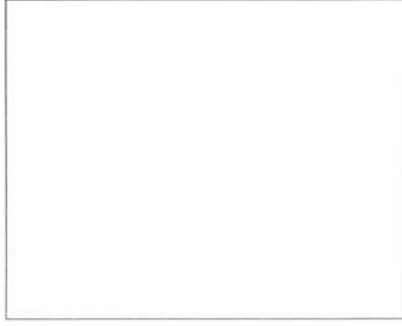
**Manure Application Record**

Name of applicator									
Actual									
Planned									
Application rate*									
Direction (choose one)	W SW N NW	S SE E NE	Light Windy						
Speed (choose one)	Calm Breezy								
Soil conditions (choose one)	Firm Dry Wet	Frozen Snow							
Air temp									
Check field tiles?									
Date of incorporation									
Acres covered***									
No. of loads									
Spreader used									
Manure source									
Date of application									

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Date									
Notes or harvest information									

**Field Sketch**



Field ID \_\_\_\_\_ Acres \_\_\_\_\_

**Crop Production Plans**

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

**Planting Information**

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

**Fertilizer/Lime Application**

Date	Type & analysis	Rate applied	Method application

**Pesticide Applications**

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest**			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.

**Manure Application Record**

Name of applicator	Application rate*	Planned	Actual	Date of application	Manure source	Spreader used	No. of loads	Acres covered**	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Wind	Wind		Direction (choose one)	Speed (choose one)
														W SW N NW	S SE E NE		

**Field Sketch**

Notes or harvest information	
Date	

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field Sketch

Manure Application Record

Name of applicator	Application rate*	Planned													
		Actual													
Date of application	Manure source	Spreaders used	No. of loads	Acres covered**	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Wind	W SW N NW	Light Windy	S SE E NE	Firm Dry Wet	Frozen Snow	Calm Breezy
										Speed (choose one)					
Date of application	Manure source	Spreaders used	No. of loads	Acres covered**	Date of incorporation	Check field tiles?	Air temp	Soil conditions (choose one)	Wind						
										Speed (choose one)					

\* The manure application rate from your nutrient management plan should be used to determine the number of loads of manure applied to each field. Actual application rate can be calculated as follows: (gallons or tons per load x number of loads) ÷ acres covered = gallons or tons per acre  
 Example: (6,000 gallons/load x 10 loads) ÷ 11 acres = 5,454 gallons per acre  
 \*\* If entire field was not covered, note area spread on the field sketch. Identify environmentally sensitive areas where manure is not applied.

Field ID \_\_\_\_\_ Acres \_\_\_\_\_

Crop Production Plans

Crop \_\_\_\_\_ Pesticide \_\_\_\_\_  
 Nutrients needed (lb/acre) N \_\_\_\_\_ P<sub>2</sub>O<sub>5</sub> \_\_\_\_\_ K<sub>2</sub>O \_\_\_\_\_

Planting Information

Planting date \_\_\_\_\_  
 Population/seeding rate used \_\_\_\_\_  
 Tillage used \_\_\_\_\_

Fertilizer/Lime Application

Date	Type & analysis	Rate applied	Method application

Pesticide Applications

	1st	2nd	3rd
Date (month/day/year)			
Time application completed			
Chemical applied (trade name and formulation)			
Rate per acre**			
Total amount applied			
Carrier volume per acre**			
Method of application*,**			
Target pest***			
Crop growth stage†			
Wind speed†			
Wind direction†			
Temperature†			
Name of applicator			

\* If the whole field was not covered, note area treated on the field sketch.  
 † Not required.  
 \*\* Recommended by Right-to-Farm management practices but not required by federal law.









**Irrigation Application Record**

Year \_\_\_\_\_

Keeping irrigation records will help you meet Michigan's water use reporting requirements and help you conform with the generally accepted agricultural and management practices (GAAMPs) for irrigation water use.

Field \_\_\_\_\_ Crop \_\_\_\_\_ Water source \_\_\_\_\_

Date of irrigation	Purpose* (if not for water replacement)	Amount applied (inches or gallons)	Acres irrigated	Acre-inches (acres x inches) or Gallons/Acre (gallons ÷ acres)	Notes: (rainfall, repairs needed, repairs made, calibration, systemwide uniformity evaluation, chemigation/fertigation)

- \* c - fertilizer or pesticide applications    f - frost protection    p - postharvest, maintenance, tillage, cover crops
- d - disease management                    h - herbicide protection    w - dust/wind erosion control/plant protection
- e - evaporative cooling                      o - other, please explain    t - prepare for tillage, planting or harvest operations

Field \_\_\_\_\_ Crop \_\_\_\_\_ Water source \_\_\_\_\_

Date of irrigation	Purpose* (if not for water replacement)	Amount applied (inches or gallons)	Acres irrigated	Acre-inches (acres x inches) or Gallons/Acre (gallons ÷ acres)	Notes: (rainfall, repairs needed, repairs made, calibration, systemwide uniformity evaluation, chemigation/fertigation)

- \* c - fertilizer or pesticide applications    f - frost protection    p - postharvest, maintenance, tillage, cover crops
- d - disease management                    h - herbicide protection    w - dust/wind erosion control/plant protection
- e - evaporative cooling                      o - other, please explain    t - prepare for tillage, planting or harvest operations

**Irrigation Application Record**

Year \_\_\_\_\_

Keeping irrigation records will help you meet Michigan's water use reporting requirements and help you conform with the generally accepted agricultural and management practices (GAAMPs) for irrigation water use.



### Employee Training Record

The **Worker Protection Standard (WPS)** requires agricultural employers to take steps to reduce the risks of pesticide-related illness and injury if they use pesticides on the farm or employ workers or pesticide handlers who are exposed to such pesticides. *NOTE: Employee training is only one of the WPS requirements. See <http://www.epa.gov/agriculture/index.html> for additional requirements.*

<b>Approved WPS trainer:</b> An approved trainer is a certified pesticide applicator or an individual who has completed a Michigan-approved pesticide train-the-trainer program.	
Approved trainer's credential	Signature

**Agricultural workers training record:** Workers are individuals employed to perform tasks such as harvesting, weeding, watering, cultivating and detasseling. As an alternative to on-site training, pesticide applicator certification meets the WPS training requirement for workers.

Print worker's name, ID or pesticide certification number	Signature	Date

**Pesticide handlers training record:** Handlers are individuals employed to mix, load, transfer and apply pesticides, repair pesticide application equipment or perform other tasks that bring them in direct contact with pesticides. As an alternative to on-site training, pesticide applicator certification meets the WPS training requirement for pesticide handlers.

Print handler's name, worker ID or pesticide certification number	Signature	Date

### Employee Training Record (continued)

**Comprehensive Nutrient Management Plan (CNMP) employee training record:** New hires or new processes, procedures or equipment require employee training to follow the CNMP and to respond to manure spills. Document training on the following table.

Training topic(s)	Employee name or worker ID	Signature	Date

**Other employee training:** Most farms have other training requirements for their employees (field sanitation and hygiene practices, equipment operation, etc). Document training on the following table.

Training topic(s)	Employee name or worker ID	Signature	Date

### **Pesticide Application Tips**

- Use integrated pest management programs to optimize pesticide use.
- Use conservation practices that reduce erosion and surface runoff.
- Follow label directions.
- Use the lowest pesticide rate that provides adequate control.
- Calibrate application equipment accurately.
- Measure pesticide concentrates accurately.
- Prevent back-siphoning of pesticides into water sources.
- Avoid spray drift and volatilization.
- Clean up pesticide and other spills.
- Store pesticides away from water sources.

### **Nutrient Application Tips**

- Soil sample and test all fields on a regular basis before applying nutrients.
- Use fertilizer recommendations consistent with those of Michigan State University.
- Take nutrient credits for organic matter, legumes, and manure or other biological materials.

### **Manure Application Tips**

- Determine the nutrient content of manure with a laboratory analysis.
- Apply manure uniformly to soils. Know the amount of manure applied per acre so that nutrients can be effectively managed.
- Liquid manure applications should not result in ponding, soil erosion or manure runoff to adjacent property, drainage ditches or surface water.
- Monitor tile drains. An application of manure that results in manure flow in a field tile is not acceptable.
- Avoid applications of manure to frozen or snow-covered soils.



Michigan  
Groundwater  
Stewardship  
Program



The printing of this bulletin was funded by The US Environmental Protection Agency Region 5.

MICHIGAN STATE  
UNIVERSITY  
EXTENSION

MSU is an affirmative-action, equal-opportunity employer. Michigan State University Extension programs and materials are open to all without regard to race, color, national origin, gender, gender identity, religion, age, height, weight, disability, political beliefs, sexual orientation, marital status, family status or veteran status. Issued in furtherance of MSU Extension work, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Thomas G. Coon, Director, MSU Extension, East Lansing, MI 48824. This information is for educational purposes only. Reference to commercial products or trade names does not imply endorsement by MSU Extension or bias against those not mentioned.