

If the complete start page doesn't appear when you first open an NRCS Indiana Seeding Calculator, perform the actions on the next slide

10/12/2010

ACRES PRACTICE STANDARD:

SITE CHARACTERISTICS

Soil Drainage Class

Are the Soils Artificially Drained (tile, ditches, etc.)?

Flooding?

Will the Site Receive Significant Shade?

Soil pH Limitations?

The above data are used to screen the plant species for site suitability and survival.

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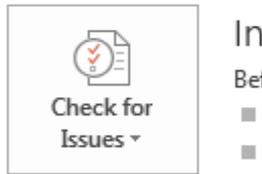
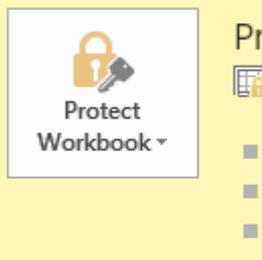
1

Account

Options

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2

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3

Trust Center

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Macro Settings

- Disable all macros without notification
- Disable all macros with notification
- Disable all macros except digitally signed macros
- Enable all macros (not recommended; potentially dangerous code can run)

Developer Macro Settings

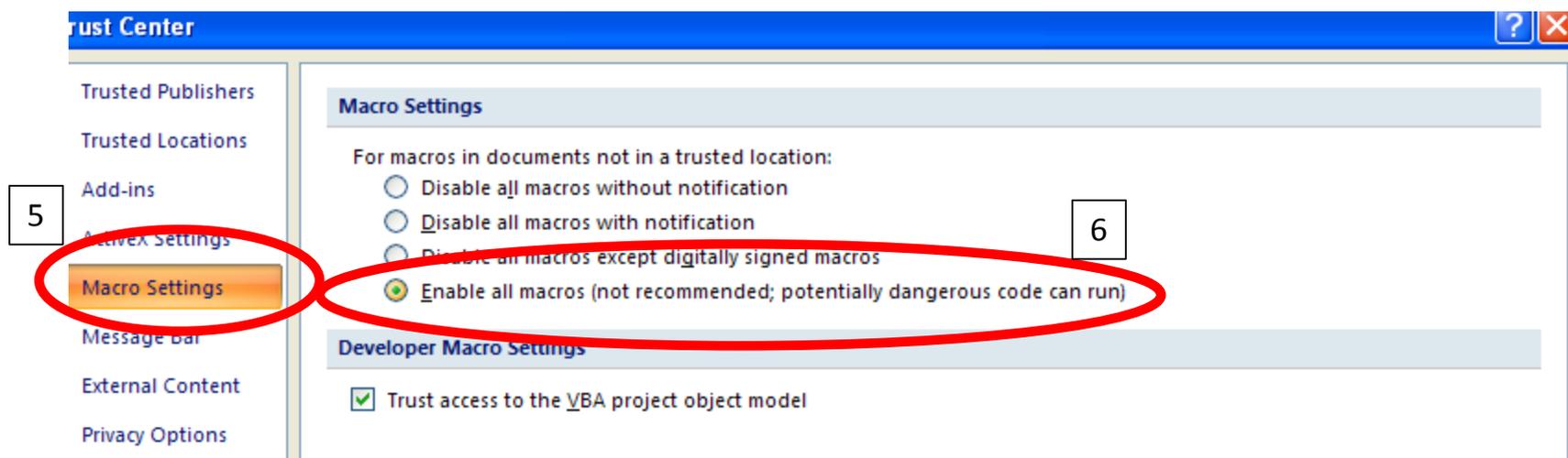
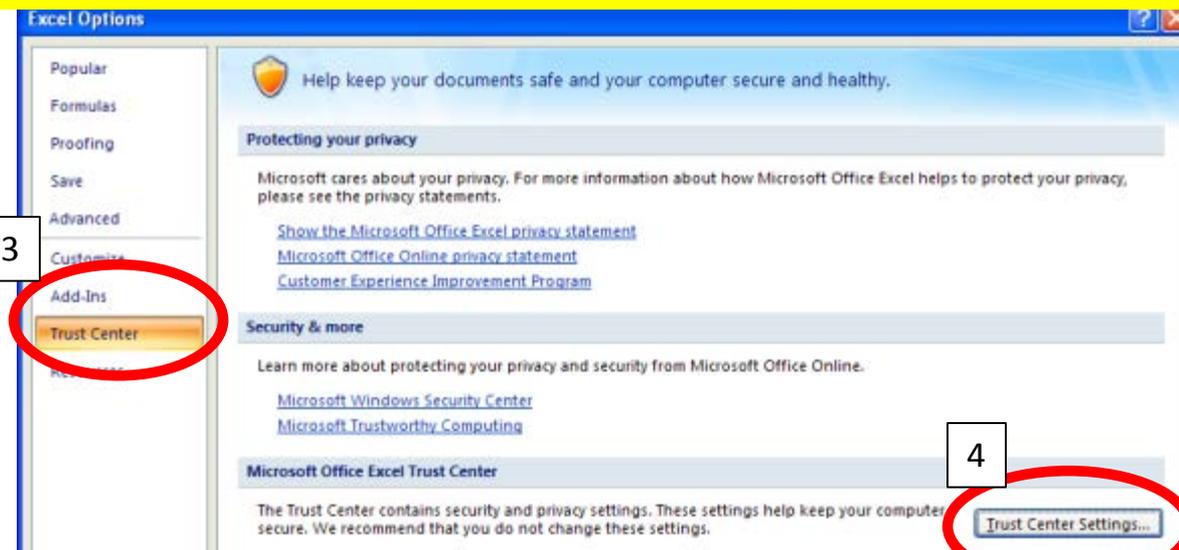
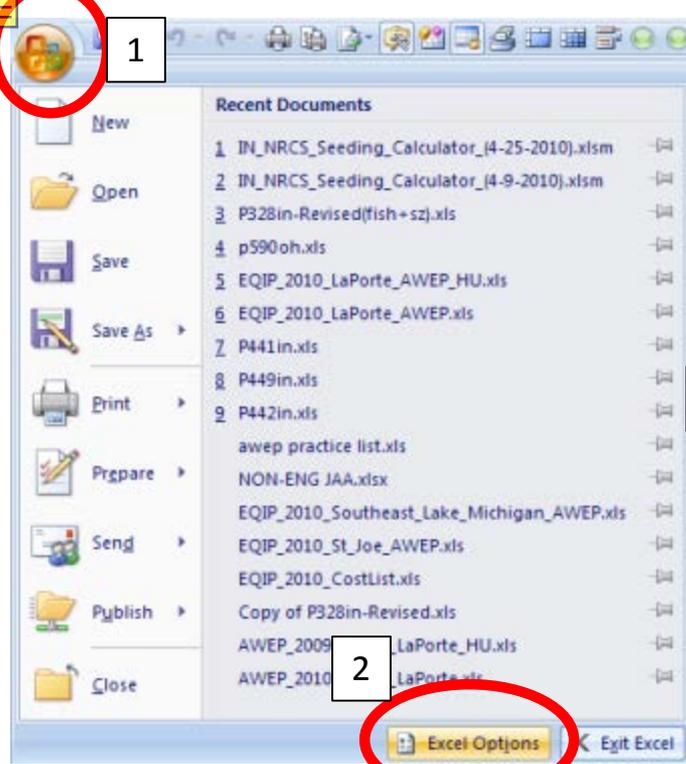
- Trust access to the VBA project object model

4

5

You'll need to close the Seeding Calculator and re-open it when done.

You'll need to close the Seeding Calculator and re-open it when done.



Example = 100 acre
Cover Crop 4 way mix

C3 : *fx* 100

A B C D E F G H I J K L M N

1 11/17/14

2

3

ACRES PRACTICE STANDARD: 340 (COVER CROP)

4

5

SITE CHARACTERISTICS

6

Soil Drainage Class₁

7

Soil Drainage Class₂

8

Are the Soils Artificially Drained (tile, ditches, etc.)?

9

10

Flooding?

11

12

Will the Site Receive Significant Shade?

13

14

Soil pH Limitations?

15

16

The above data are used to screen the plant species for site suitability and survival.

17

18

19

20

21

Enter your acres and site conditions to begin

Copy of IN_NRCS_Cover_Crops_Seeding_Calculator - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

G5 : fx 25

View the Cover Crop Seeding Methods Technical Note

INCREASE / DECREASE THE TOTAL SEEDING RATE		COVER CROP SPECIES		% of PLANT CANOPY	PLS lb/ac	TOTAL PLS lb	# Seeds / SQ. ft	# Plants / SQ. ft	Base C:N	Relative C:N
Change from Base Rate		1	Oats	= 25	= 13.30	= 1330.45	4	2.25	30	7.5
all %		2	Radish, Daikon (type)	= 22	= 1.30	= 130.09	2	1.76	19	4.18
grass 0%		3	Rye, Winter Cereal	= 28	= 12.9	= 1291.43	5	3.02	37	10.4
legume 0%		4	Pea, Austrian Winter	= 25	= 12.35	= 1235.42	1	1.13	25	6.25
		5		=	=	=	0	0.00	0	0
		6		=	=	=	0	0.00	0	0
		7		=	=	=	0	0.00	0	0
Aerial Seeding?	<input type="text" value="NO"/>	8		=	=	=	0	0.00	0	0
		9		=	=	=	0	0.00	0	0
		10		=	=	=	0	0.00	0	0
TOTALS				= 100	= 39.87	= 3987.39	12	8.16	not applicable	28.3

ACRES

STANDARD 340 (COVER CROP)

DRAINAGE MODERATELY WELL DRAINED & SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

Select each species that is targeted for your purposes and enter the % of the final biomass or canopy of cover you prefer (note this % is not the % of seed)

Copy of IN_NRCS_Cover_Crops_Seeding_Calculator - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

G5 : fx 25

View the Cover Crop Seeding Methods Technical Note

COVER CROP SPECIES		% of PLANT CANOPY	PLS lb/ac	TOTAL PLS lb	# Seeds / SQ. ft	# Plants / SQ. ft	Base C:N	Relative C:N
1	Oats	= 25	= 13.30	= 1330.45	4	2.25	30	7.5
2	Radish, Daikon (type)	= 22	= 1.30	= 130.09	2	1.76	19	4.18
3	Rye, Winter Cereal	= 28	= 12.91	= 1291.43	5	3.02	37	10.4
4	Pea, Austrian Winter	= 25	= 12.35	= 1235.42	1	1.13	25	6.25
5		=	=	=	0	0.00	0	0
6		=	=	=	0	0.00	0	0
7		=	=	=	0	0.00	0	0
8		=	=	=	0	0.00	0	0
9		=	=	=	0	0.00	0	0
10		=	=	=	0	0.00	0	0
TOTALS		= 100	= 39.87	= 3987.39	12	8.16	not applicable	28.3

INCREASE / DECREASE THE TOTAL SEEDING RATE

Change from Base Rate

all %

grass 0%

legume 0%

Aerial Seeding? NO

ACRES

100.0

VIEW PLANT DATA

STANDARD 340 (COVER CROP)

DRAINAGE MODERATELY WELL DRAINED & SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

BACK OK

CLEAR THE DATA

The seeding rate that is generated is based on ideal planting conditions and seeding equipment such as a drill

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

C13 : *fx* YES

View the Cover Crop Seeding Methods Technical Note

		COVER CROP SPECIES				% of PLANT CANOPY	PLS lb/ac	TOTAL PLS lb	# Seeds / SQ. ft			
1	Oats	=	25	=	16.63	=	1663.07	5				
2	Radish, Daikon (type)	=	22	=	1.63	=	162.61	2				
3	Rye, Winter Cereal	=	28	=	16.14	=	1614.28	7				
4	Pea, Austrian Winter	=	25	=	15.44	=	1544.28	1				
5		=		=		=		0				
6		=		=		=		0				
7		=		=		=		0				
8		=		=		=		0				
9		=		=		=		0				
10		=		=		=		0				
TOTALS						=	100	=	49.84	=	4984.23	15

INCREASE / DECREASE THE TOTAL SEEDING RATE

Change from Base Rate

all	0%
grass	0%
legume	0%

Aerial Seeding? **YES**

ACRES 100.0

VIEW PLANT DATA

STANDARD 340 (COVER CROP)

DRAINAGE MODERATELY WELL DRAINED & SOMEWHAT POORLY DRAINED

If you plan to aerial seed the cover crops you should select yes in the drop down. This will automatically increase the seeding rate for each species based on it's likelihood of reduced emergence.

Copy of IN_NRCS_Cover_Crops_Seeding_Calculator - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

E2

View the Cover Crop Seeding Methods Technical Note

1 INCREASE / DECREASE THE TOTAL SEEDING RATE

3 Change from Base Rate

all	%
grass	0%
legume	0%

11 Aerial Seeding?

19 ACRES

20 100.0

21 STANDARD 340 (COVER CROP)

22 DRAINAGE MODERATELY

23 FLOODING NO

24 SHADE NO

25 Ph NONE

View the Cover Crop Seeding Methods Technical Note

UserForm16

COVER CROP SEEDING RATE ADJUSTMENTS GENERAL GUIDELINES:

Initial rates generated by the seeding calculator are generally for optimum/average conditions and for the most common purposes (e.g.- drilled at the optimum seeding window and average fertility soil building and bio-diversity). Some general rules:

- As you move north, rates may need to increase- fewer days to achieve desired biomass.
- As you reach the end of the optimum seeding window rates may need to increase.
- As you increase soil fertility (e.g. Manure or residual N), rates may need to decrease.
- As you move to a seeding method that is less assured of good seed to soil contact rates may need to increase.
- As you move to a more diverse seed mix, the rate may be decreased.
- If weed control is a primary purpose then rates should be increased.
- As you move to a precision planter, rates may be decreased.

PLEASE REVIEW THE COVER CROP SEEDING METHODS TECHNICAL NOTE FOR MORE DETAILS

OK

If you feel conditions are such that you need to increase or decrease the seeding mix- click the button in the upper left hand part of the screen

FILE

HOME

INSERT

PAGE LAYOUT

FORMULAS

DATA

REVIEW

VIEW

ACROBAT

25

View the Cover Crop Seeding Methods Technical Note

INCREASE / DECREASE THE TOTAL SEEDING RATE

COVER CROP SPECIES

		% of PLANT CANOPY	PLS lb/ac	TOTAL PLS lb	# Seeds / SQ. ft	# Plants / SQ. ft
1	Oats	25	15.30	1530.02	5	2.59
2	Radish, Daikon (type)	22	1.50	149.60	2	2.02
3	Rye, Winter Cereal	28	14.85	1485.14	6	3.48
4	Pea, Austrian Winter	25	14.21	1420.73	1	1.29
5					0	0.00
6					0	0.00
7					0	0.00
8					0	0.00
9					0	0.00
10					0	0.00
TOTALS		100	45.85	1585.50	14	9.38

Change from Base Rate

all 15%

grass 15%

legume 15%

Aerial Seeding? NO

ACRES

100.0

VIEW PLANT DATA

BACK OK

CLEAR THE DATA

Increase/Decrease the Basic Rate...

Increase/Decrease the TOTAL Seeding Rate By:

15 %

Each species in the mix will be increased proportionately by the % you select

Copy of IN_NRCS_Cover_Crops_Seeding_Calculator - Excel

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW ACROBAT

A1

View the Cover Crop Seeding Methods Technical Note

COVER CROP SPECIES

		% of PLANT CANOPY	PLS lb/ac	TOTAL PLS lb	# Seeds / SQ. ft	# Plants / SQ. ft	Base C:N	Relative C:N
1	Oats	= 25	= 16.63	= 1663.07	5	2.25	30	7.5
2	Radish, Daikon (type)	= 22	= 1.63	= 162.61	2	1.76	19	4.18
3	Rye, Winter Cereal	= 28	= 16.14	= 1614.28	7	3.02	37	10.4
4	Pea, Austrian Winter	= 25	= 15.44	= 1544.28	1	1.13	25	6.25
5		=	=	=	0	0.00	0	0
6		=	=	=	0	0.00	0	0
7		=	=	=	0	0.00	0	0
8		=	=	=	0	0.00	0	0
9		=	=	=	0	0.00	0	0
10		=	=	=	0	0.00	0	0
TOTALS		= 100	= 49.84	= 4984.23	15	8.16	not applicable	28.3

INCREASE / DECREASE THE TOTAL SEEDING RATE

Change from Base Rate

all 0%

grass 0%

legume 0%

Aerial Seeding? YES

ACRES 100.0

STANDARD 340 (COVER CROP)

DRAINAGE MODERATELY WELL DRAINED & SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

VIEW PLANT DATA

BACK OK

CLEAR THE DATA

At any time you can view the plant data that the calculator is using (e.g.- seeds/lb)

When satisfied- Click OK and go to specification sheet

C5 : fx

A B C E G J K L N O P Q R S T U V W

1 United States Department of Agriculture Indiana - 10/29/2013



Indiana Specification Sheet

340 (COVER CROP)

5 **Landowner:** _____ **County:** _____

6 Farm:	7 Tract:	Field(s):	Primary Practice Acres: 100.0	Planted Width	Slope %	Grade %	Flood Frequency NO	Shade? NO	Date:
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8 **Soil Type(s):** _____ **Soil Drainage Class:** MODERATELY WELL DRAINED & SOMEWHAT POORLY DRAINED

9 **RECOMMENDED SPECIES and SEEDING RATE** (PLS #/ac = Pure Live Seed Pounds per Acre)

COVER CROPS	RATE PLS#/ac	TOTAL = (RATE X ac)	lb	COVER CROPS	RATE PLS#/ac	TOTAL = (RATE X ac)	lb
14 Oats	16.63	1663.07	lb				
17 Radish, Daikon (type)	1.63	162.61	lb				
18 Rye, Winter Cereal	16.14	1614.28	lb				
19 Pea, Austrian Winter	15.44	1544.28	lb				

21 **NOTES:**

Estimated Seeds/SQ. ft	Planned Plants/SQ. ft	Planned Carbon:Nitrogen Ratio
24 15	8.16	28.29

45 **BEFORE PLANTING in Year:**

- 49 Herbicide₁ (per label): _____ Dates = _____
- 50 Herbicide₂ (per label): _____ Dates = _____
- 51 Tillage: _____ Dates = _____
- 52 Structures, Grading, Leveling, Filling – See the attached Design Sheet.
- 53 Apply fertilizer/manure and lime according to an approved soil test and plan.
- 54 Other: _____

BACK to Start -
this will un-do all previous
species and rate entries

Make Changes

Save to a Separate File

View Seeding Dates Sheet

VIEW PLANT DATES

CRP-Example =
10 acre CP42 50 pt. mix

Example = 10 acre pollinator seeding

7/24/13

1

ACRES: 10.0

2

PRACTICE STANDARD: 327 (CONSERVATION COVER)

3

SITE CHARACTERISTICS

Soil Drainage Class: SOMEWHAT POORLY DRAINED

Are the Soils Artificially Drained (tile, ditches, etc.)? NO

Flooding? NO

Will the Site Receive Significant Shade? NO

Soil pH Limitations? NONE

CLEAR THE DATA

The above data are used to screen the plant species for site suitability and survival.

VIEW PLANT DATA

CHECK A MIX

CREATE A MIX

Example = 10 acre pollinator seeding

7/24/13

327 Seeding Purpose

ACI

**PLEASE SELECT THE PRIMARY PURPOSE OF THIS
327 - CONSERVATION COVER PLANTING...**

- General Purpose
- General Purpose - Erosive
- Wildlife
- Wildlife + Erosive/Winter Habitat
- Pollinator

Will the Site

1

OK CANCEL

The above data are used to screen the plant species for site suitability and survival.

VIEW PLANT DATA

CHECK A MIX

CREATE A MIX

Example = 10 acre pollinator seeding

Pollinator Habitat... GRASS SPECIES LEGUME SPECIES TOTAL PLANT Q. ft

POLLINATORS: 

GRASS COMPONENT (if needed) = 1

FORB COMPONENT = at least 3 species from each bloom period; at least 3 2

NURSE CROP (if needed) = 2

 **SCHEDULE A FIREBREAK** 3

OK **CANCEL**

INCREASE / DECREASE THE TOTAL SEEDING RATE

% Change from Base Rate

all	%
grass	0%
legume	0%

Dormant Seeding?

Dormant Seeding?

Legume Units in lb

ACRES

10.0

STANDARD 327 (CONSERVATION)
DRAINAGE SOMEWHAT POOR
FLOODING NO
SHADE NO
Ph NONE

Example = adding a firebreak seeding

Firebreak Options...

FIREBREAK OPTIONS:

.5 ACRES = Added To, OR Subtracted From the Primary Practice's Acreage

Create a Bare Soil Firebreak Prior to Prescribed Burning

Seed the Following:

Grass Species to Seed: **Bluegrass, Kentucky**

Legume Species to Seed:

OK

Clover, (Ladino type) White
Clover, (white dutch)
Clover, Alsike
Clover, Red

CLEAR THE DATA BACK OK

Example = 10 acre pollinator seeding

INCREASE / DECREASE THE TOTAL SEEDING RATE

% Change from Base Rate

all	%
grass	0%
legume	0%

Dormant Seeding?

Dormant Seeding?

Legume Units in lb

ACRES

10.0

STANDARD 327 (CONSERVATION)
DRAINAGE SOMEWHAT POOR
FLOODING NO
SHADE NO
Ph NONE

Pollinator Habitat...

POLLINATORS: 

GRASS COMPONENT (if needed) =

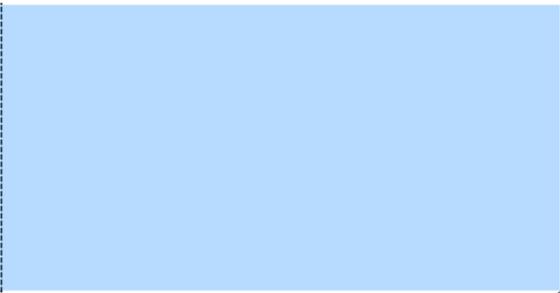
FORB COMPONENT = at least 9 species at 16 oz/acre; at least 3 species from each bloom period

NURSE CROP (if needed) =

 **SCHEDULE A FIREBREAK**

OK 1 **CANCEL**

Example = 10 acre pollinator seeding

United States Department of Agriculture							Indiana - November 2011			
 Natural Resources Conservation Service							<h2>Indiana Specification Sheet</h2>			
327 (CONSERVATION COVER) - POLLINATOR HABITAT CP42										
Landowner:							County:			
Farm:	Tract:	Field(s):	Primary Seeding Practice Acres: 10.0	Planted Width	Slope %	Grade %	Flood Frequency NO	Shade? NO	Date:	
Soil Type(s):			Soil Drainage Class: SOMEWHAT POORLY DRAINED							
RECOMMENDED SPECIES and SEEDING RATE (PLS #/ac = Pure Live Seed Pounds per Acre)										
COVER CROP / NURSE CROP / COMPANION CROPS			RATE PLS#/ac	TOTAL = (RATE X ac)		COVER CROP / NURSE CROP / COMPANION CROPS (continued)			RATE PLS#/ac	TOTAL = (RATE X ac)
Oats			53.22	532.18	lb					
NOTES										
POLLINATOR HABITAT			acres = 10.0		Pollinator Habitat Notes: 					
			RATE PLS oz/ac	TOTAL = (RATE X ac)						
Seed at least 9 Species of forbs + grass if specified according to the attached sheet in the areas indicated on the plan map			16.000	oz						
BEFORE PLANTING in Year:										

Example = 10 acre pollinator seeding

Indiana Specification Sheet

327 (CONSERVATION COVER) - POLLINATOR HABITAT CP42

Landowner: _____ County: _____

Farm:	Tract:	Field(s):	Primary Seeding Practice Acres:	Planted Width	Slope %	Grade %	Flood Frequency	Shade?	Date:
			10.0				NO	NO	

Soil Type(s): _____ Soil Drainage Class: SOMEWHAT POORLY DRAINED

RECOMMENDED SPECIES and SEEDING RATE (PLS #/ac = Pure Live Seed Pounds per Acre)

COVER CROP / NURSE CROP / COMPANION CROPS	RATE PLS#/ac	TOTAL = (RATE X ac)	COVER CROP / NURSE CROP / COMPANION CROPS (continued)	RATE PLS#/ac	TOTAL = (RATE X ac)
Oats	53.22	532.18 lb			

NOTES

POLLINATOR HABITAT	acres =	10.0	Pollinator Habitat Notes:
	RATE PLS oz/ac	TOTAL = (RATE X ac)	
Seed at least 9 Species of forbs + grass if specified according to the attached sheet in the areas indicated on the plan map	16.000	oz	

BEFORE PLANTING in Year:

2

BACK to Start -
 this will un-do all previous species and rate entries

Make Changes

Save to a Separate File 1

View Forb Sheet

View Pollinators Sheet

View Seeding Dates Sheet

VIEW PLANT DATA

Example = 10 acre pollinator seeding

United States Department of Agriculture

Indiana - November 2011



Indiana Specification Sheet

327 (CONSERVATION COVER) - POLLINATOR HABITAT CP42

Landowner:

County:

Farm:	Tract:	Field(s):	Primary Seeding Practice Acres: 10.0	Planted Width	Slope %	Grade %	Flood Frequency NO	Shade? NO	Date:
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Soil Type(s): Soil Drainage Class: SOMEWHAT POORLY DRAINED

RECOMMENDED SPECIES and SEEDING RATE (PLS #/ac = Pure Live Seed Pounds per Acre)

COVER CROP / NURSE CROP / COMPANION CROPS	RATE PLS#/ac	TOTAL = (RATE X ac)		COVER CROP / NURSE CROP / COMPANION CROPS (continued)	RATE PLS#/ac	TOTAL = (RATE X ac)
Oats	53.22	532.18	lb			

NOTES

POLLINATOR HABITAT	acres =	10.0		Pollinator Habitat Notes:
	RATE PLS oz/ac	TOTAL = (RATE X ac)		
Seed at least 9 Species of forbs + grass if specified according to the attached sheet in the areas indicated on the plan map		16.000	oz	

BEFORE PLANTING in Year:

BACK to Start -
this will un-do all previous species and rate entries

Make Changes

Save to a Separate File

1

2

3

View Forb Sheet

View Pollinator Sheet

View Seeding Dates Sheet

VIEW PLANT DATA

CRP Example =
20 acre CP2 50 pt. mix

Example = 20 acre CP2 50 pt. mix

10/12/2010

1

2

ACRES PRACTICE STANDARD

SITE CHARACTERISTICS

Soil Drainage Class

Are the Soil

Flooding?

Will the Site Receive Significant Shade?

Soil pH Limitations?

The above data are used to screen the plant species for site suitability and survival.

Example = 10 acre CP42 50 pt. mix

7/24/13
327 Seeding Purpose

**PLEASE SELECT THE PRIMARY PURPOSE OF THIS
327 - CONSERVATION COVER PLANTING...**

- General Purpose
- General Purpose - Erosive
- Wildlife**
- Wildlife + Erosive/Winter Habitat
- Pollinator

OK

CANCEL

VIEW PLANT DATA

CHECK A MIX

CREATE A MIX

Example = 20 acre CP2 50 pt. mix

1

2

INCREASE / DECREASE THE TOTAL SEEDING RATE

% Change from Base Rate

all %

grass 0%

legume 0%

Dormant Seeding?

Dormant Seeding?

Legume Units in lb

3

ACRES

20.0

STANDARD 327 (CONSERVATION COVER)

DRAINAGE SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

VIEW PLANT DATA

CLEAR THE DATA

BACK

OK (will create a job sheet)

ADD A NURSE / COMPANION

Forb Selector

Add Trees/Shrubs

4

GRASS SPECIES

GRASS SPECIES	% OF GRASS	PLS Ib/ac	TOTAL PLS Ib	# Plants/SQ. ft
1 Bluestem, Big	25	0.99	19.80	0.38
2 Switchgrass	25	0.70	14.00	0.63
3 Wildrye, Canada	50	2.84	56.82	3.00
Indiangrass				0.00
Redtop				0.00
Switchgrass				0.00
Wildrye, Canada				0.00
Wildrye, Riverbank				0.00
Wildrye, Virginia				0.00
GRASS TOTALS	100	4.53	90.61	4.00

of LEGUME

LEGUME SPECIES	% OF LEGUME	PLS Ib/AC	TOTAL PLS Ib	# Plants/SQ. ft
1 Senna, Wild	75	0.56	11.25	0.09
2 Wild Indigo, Blue	25	0.19	3.75	0.03
3				0.00
4				0.00
5				0.00
LEGUME TOTALS	100	0.75	15.00	0.12

NATIVE FORB SPECIES (number)

NATIVE FORB SPECIES (number)	PLS oz/ac	TOTAL PLS oz
	N/A	0.00

Example = 20 acre CP2 50 pt. mix

INCREASE / DECREASE THE TOTAL SEEDING RATE

% Change from Base Rate

all

grass

legume

Dormant Seeding?

GRASS SPECIES		% of GRASS	PLS lb/ac	TOTAL PLS lb	# Plants/SQ. ft
1	Bluestem, Big	= 25 =	0.99	= 19.80	0.38
2	Switchgrass	= 25 =	0.70	= 14.00	0.63
3	Wildrye, Canada	= 50 =	2.84	= 56.82	3.00
4		=	=	=	0.00
5		=	=	=	0.00
GRASS TOTALS		= 100 =	4.53	= 90.61	4.00

LEGUME SPECIES		% of LEGUME	PLS lb/AC	TOTAL PLS lb	# Plants/SQ. ft
1	Senna, Wild	= 75 =	0.56	= 11.25	0.09
2	Wild Indigo, Blue	= 25 =	0.19	= 3.75	0.03
3		=	=	=	0.00
4		=	=	=	0.00
5		=	=	=	0.00
LEGUME TOTALS		= 100 =	0.75	= 15.00	0.12

Dormant Seeding?

Legume Units in

ACRES

STANDARD 327 (CONSERVATION COVER)

DRAINAGE SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

NATIVE FORB SPECIES (number)

= =

[VIEW PLANT DATA](#)

[ADD A NURSE / COMPANION](#)

[Forb Selector](#)

[Add Trees/Shrubs](#)

CLEAR THE DATA

BACK

OK

(will create a job sheet)

ADD A NURSE / COMPANION

Firebreak

Example = 20 acre CP2 50 pt. mix

Firebreak Options...

FIREBREAK OPTIONS:

.5 ACRES = Added To, OR Subtracted From the Primary Practice's Acreage

Create a Bare Soil Firebreak Prior to Prescribed Burning

Seed the Following:

Grass Species to Seed: **Bluegrass, Kentucky**

Legume Species to Seed:

OK

Clover, (Ladino type) White
Clover, (white dutch)
Clover, Alsike
Clover, Red

CLEAR THE DATA BACK OK (will create a job)

CP4B/CP4D trees/shrubs

INCREASE / DECREASE THE TOTAL SEEDING RATE

% Change from Base Rate

all

grass

legume

Dormant Seeding?

GRASS SPECIES		% of GRASS	PLS lb/ac	TOTAL PLS lb	# Plants/SQ. ft
1	Bluestem, Big	25	0.99	19.80	0.38
2	Switchgrass	25	0.70	14.00	0.63
3	Wildrye, Canada	50	2.84	56.82	3.00
4					0.00
5					0.00
GRASS TOTALS		100	4.53	90.61	4.00

LEGUME SPECIES		% of LEGUME	PLS lb/AC	TOTAL PLS lb	# Plants/SQ. ft
1	Senna, Wild	75	0.56	11.25	0.09
2	Wild Indigo, Blue	25	0.19	3.75	0.03
3					0.00
4					0.00
5					0.00
LEGUME TOTALS		100	0.75	15.00	0.12

ACRES

STANDARD 327 (CONSERVATION COVER)

DRAINAGE SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

NATIVE FORB SPECIES (number)

PLS oz/ac

TOTAL PLS oz

VIEW PLANT DATA

ADD A NURSE / COMPANION

CLEAR THE DATA

BACK

OK
(will create a job sheet)

Forb Selector

Firebreak

Add Trees/Shrubs

1 = for CP4B/CP4D

CP4B/CP4D trees/shrubs

TREE ACRES 1.0

TREE SPACING

8 ft. x 8 ft.

= 681 trees/ac

= 681 total trees

TREE SPECIES	%	#/ac	TOTAL #
1 Oak, Bur	75	511	511
2 Oak, Shingle	25	170	170
3			
4			
5			
6			
TREE TOTALS		100	681

1

2

3

4

SHRUB ACRES 3.0

SHRUB SPACING

6 ft. x 6 ft.

= 1210 shrubs/ac

= 3630 total shrubs

SHRUB SPECIES	%	#/ac	TOTAL #
1 Dogwood, Gray	25	303	909
2 Elderberry	25	303	909
3	50		
4 Indigobush			
5 Nannyberry			
6 Ninebark			
Pawpaw			
Prairie Crab			
Shrubby St. Johnswort			
Spicebush			
Spirea			
TOTALS		100	606

1

2

3

4

STANDARD 327 (CONSERVATION COVER)
 DRAINAGE SOMEWHAT POORLY DRAINED
 FLOODING NO
 SHADE NO
 Ph NONE

CANCEL
OK
VIEW PLANT DATA

Example = 20 acre CP2 50 pt. mix

INCREASE / DECREASE THE TOTAL SEEDING RATE		GRASS SPECIES		% of GRASS	PLS lb/ac	TOTAL PLS lb	# Plants/SQ. ft	
% Change from Base Rate		1	Bluestem, Big	= 25	= 0.99	= 19.80	0.38	
all %		2	Switchgrass	= 25	= 0.70	= 14.00	0.63	
grass 0%		3	Wildrye, Canada	= 50	= 2.84	= 56.82	3.00	
legume 0%		4		=	=	=	0.00	
Dormant Seeding? <input type="checkbox"/>		5		=	=	=	0.00	
				GRASS TOTALS	= 100	= 4.53	= 90.61	4.00
Dormant Seeding? <input type="checkbox"/>		LEGUME SPECIES		% of LEGUME	PLS lb/AC	TOTAL PLS lb		
Legume Units in lb		1	Senna, Wild	= 75	= 0.56	= 11.25	0.09	
		2	Wild Indigo, Blue	= 25	= 0.19	= 3.75	0.03	
		3		=	=	=	0.00	
		4		=	=	=	0.00	
		5		=	=	=	0.00	
				LEGUME TOTALS	= 100	= 0.75	= 15.00	0.12
ACRES		NATIVE FORB SPECIES (number)			PLS oz/ac	TOTAL PLS oz		
20.0				= N/A	=	= 0.00		
STANDARD 327 (CONSERVATION COVER)		2		1	ADD A NURSE / COMPANION			
DRAINAGE SOMEWHAT POORLY DRAINED		VIEW PLANT DATA						
FLOODING NO		CLEAR THE DATA		Forb Selector				
SHADE NO		BACK		OK (will create a job sheet)				
Ph NONE				Add Trees/Shrubs				
				Firebreak				

Example = 20 acre CP2 50 pt. mix

INCREASE / DECREASE THE TOTAL SEEDING RATE

% Change from Base Rate

all

grass

legume

Dormant Seeding?

Dormant Seeding?

Legume Units in

GRASS SPECIES		% of GRASS	PLS Ib/ac	TOTAL PLS Ib	# Plants/SQ. ft
1	Bluestem, Big	25	0.99	19.31	0.38
2	Switchgrass	25	0.70	13.65	0.63
3	Wildrye, Canada	50	2.84	55.40	3.00
4					0.00
5					0.00
GRASS TOTALS		100	4.53	88.35	4.00

LEGUME SPECIES		PLS Ib/AC	TOTAL PLS Ib	# Plants/SQ. ft
1	Senna, Wild	0.56	10.97	0.09
2	Wild Indigo, Blue	0.19	3.66	0.03
3				0.00
4				0.00
5				0.00
LEGUME TOTALS		100	0.75	14.63

ACRES

STANDARD 327 (CONSERVATION COVER)

DRAINAGE SOMEWHAT POORLY DRAINED

FLOODING NO

SHADE NO

Ph NONE

NATIVE FORB SPECIES (number) **PLS oz/ac** **TOTAL PLS oz**

David 0.00'am Indianapolis, IN
 News Release - CP Sign-up Extended
 To: District Conservationists
 CC: Leadership Team, RC&D Coordinators

VIEW PLANT DATA

ADD A NURSE / COMPANION

CLEAR THE DATA

BACK

OK
(will create a job sheet)

Forb Selector

Firebreak

Add Trees/Shrubs

Microsoft Excel

Is this a CR ing?...

Example = 20 acre CP2 50 pt. mix

United States Department of Agriculture						Indiana - October 2010 (ver. 1.0)				
						<h2>Indiana Specification Sheet</h2>				
327 (CONSERVATION COVER) - CP2										
Landowner:						County:				
Farm:	Tract:	Field(s):	Primary Practice Acres: 15.5	Planted Width	Slope %	Grade %	Flood Frequency NO	Shade? NO	Date:	
Soil Type(s):			Soil Drainage Class: SOMEWHAT POORLY DRAINED							
RECOMMENDED SPECIES and SEEDING RATE (PLS #/ac = Pure Live Seed Pounds per Acre)										
COVER CROP / NURSE CROP / COMPANION CROPS			RATE PLS#/ac	TOTAL = (RATE X ac)		COVER CROP / NURSE CROP / COMPANION CROPS (continued)			RATE PLS#/ac	TOTAL = (RATE X ac)
Oats			26.61	412.44	lb					
NOTES:										
GRASSES			RATE PLS#/ac	TOTAL = (RATE X ac)		LEGUMES			RATE PLS#/ac	TOTAL = (RATE X ac)
Bluestem, Big			0.99	15.35	lb	Senna, Wild			0.56	8.72 lb
Switchgrass			0.70	10.85	lb	Wild Indigo, Blue			0.19	2.91 lb
Wildrye, Canada			2.84	44.03	lb					
NOTES:										
DOMINANT HABITAT			acres =	4						

Example = 20 acre CP2 50 pt. mix

Indiana Specification Sheet

327 (CONSERVATION COVER) - CP2

Landowner:							County:		
Farm:	Tract:	Field(s):	Primary Practice Acres: 15.5	Planted Width	Slope %	Grade %	Flood Frequency NO	Shade? NO	Date:

Soil Type(s): Soil Drainage Class: **SOMEWHAT POORLY DRAINED**

RECOMMENDED SPECIES and SEEDING RATE (PLS #/ac = Pure Live Seed Pounds per Acre)

COVER CROP / NURSE CROP / COMPANION CROPS	RATE PLS#/ac	TOTAL = (RATE X ac)		COVER CROP / NURSE CROP / COMPANION CROPS (continued)	RATE PLS#/ac	TOTAL = (RATE X ac)
Oats	26.61	412.44	lb			

NOTES:

GRASSES	RATE PLS#/ac	TOTAL = (RATE X ac)		LEGUMES	RATE PLS#/ac	TOTAL = (RATE X ac)
Bluestem, Big	0.99	15.35	lb	Senna, Wild	0.56	8.72 lb
Switchgrass	0.70	10.85	lb	Wild Indigo, Blue	0.19	2.91 lb
Wildrye, Canada	2.84	44.03	lb			

NOTES:

POLLINATOR HABITAT	acres =	4				
---------------------------	---------	---	--	--	--	--

BACK to Start -
this will un-do all previous species and rate entries

1

Make Changes

2

Save to a Separate File

3

View Forb Sheet

View Pollinators Sheet

View Seeding Dates Sheet

VIEW PLANT DATA

Example = 20 acre CP2 50 pt. mix

327 (CONSERVATION COVER) - CP2

Landowner: _____ **County:** _____

Farm:	Tract:	Field(s):	Primary Practice Acres:	Planted Width	Slope %	Grade %	Flood Frequency	Shade?	Date:
			15.5				NO	NO	

Soil Type(s): _____ Soil Drainage Class: SOMEWHAT POORLY DRAINED

RECOMMENDED SPECIES and SEEDING RATE (PLS #/ac = Pure Live Seed Pounds per Acre)

COVER CROP / NURSE CROP / COMPANION CROPS	RATE PLS#/ac	TOTAL = (RATE X ac)		COVER CROP / NURSE CROP / COMPANION CROPS (continued)	RATE PLS#/ac	TOTAL = (RATE X ac)
Oats	26.61	412.44	lb			

NOTES:

GRASSES	RATE PLS#/ac	TOTAL = (RATE X ac)		LEGUMES	RATE PLS#/ac	TOTAL = (RATE X ac)
Bluestem, Big	0.99	15.35	lb	Senna, Wild	0.56	8.72 lb
Switchgrass	0.70	10.85	lb	Wild Indigo, Blue	0.19	2.91 lb
Wildrye, Canada	2.84	44.03	lb			

NOTES:

POLLINATOR HABITAT	acres =	4				
---------------------------	---------	---	--	--	--	--

2

BACK to Start -
this will un-do all previous species and rate entries

Make Changes

Save to a Separate File

View Forb Sheet

View Pollinators Sheet

View Seeding Dates Sheet

VIEW PLANT DATA

1

Checking Mixes

Example = 1 acre

CP2 50 pt. mix



Example = 1 acre CP2 50 pt. mix

10/12/2010

ACRES

PRACTICE STANDARD:

SITE CHARACTERISTICS

Soil Drainage Class

Are the Soils Artificially Drained (tile, ditches, etc.)?

Flooding?

Will the Site Receive Significant Shade?

CLEAR THE DATA

Soil pH Limitations?

The above data are used to screen the plant species for site suitability and survival.

VIEW PLANT DATA

CHECK A MIX

CREATE A MIX

Example = 1 acre CP2 50 pt. mix

DOES THE MIX MEET THE STANDARD?					Is the GRASS seeding acceptable?			Is the LEGUME seeding acceptable?			Is the FORB seeding acceptable?			Is the Species Acceptable?			
GRASS/LEGUME SPECIES	Total PLS lb or oz	Total BULK lb	% Purity	% Germ	Species PLS lb or oz/ac in	Is the GRASS seeding acceptable?	Is the LEGUME seeding acceptable?	Is the FORB seeding acceptable?	Is the Species Acceptable?	Is the GRASS seeding acceptable?	Is the LEGUME seeding acceptable?	Is the FORB seeding acceptable?	Is the Species Acceptable?	Is the GRASS seeding acceptable?	Is the LEGUME seeding acceptable?	Is the FORB seeding acceptable?	Is the Species Acceptable?
legume rates in																	
Bluestem, Big	1.000				1.00	RATE YES	RATE YES	RATE YES	YES				YES				
Switchgrass	0.700				0.70				YES				YES				
Wildrye, Canada	2.800				2.80				YES				YES				
Senna, Wild	0.600				0.60				YES				YES				
Wild Indigo, Blue	0.200				0.20				YES				YES				
Bluestem, Little					0.00												
Bluestem, Little																	
Bromegrass, Smooth																	
Bundle Flower, Illinois																	
Canarygrass, Reed (only low alkaloid varieties)																	
Clover, (Ladino type) White						# SPECIES YES	# SPECIES YES	# SPECIES YES									
Clover, (white dutch)																	
Clover, Alsike																	
Clover, Red																	
FORBS (Total Number)																	
	Total PLS oz	Total Bulk oz	% Purity	% Germ	Species PLS oz/ac in Mix												
					0.00												

ACRES 1.0

BACK CREATE A JOB SHEET with This Mix VIEW PLANT DATA