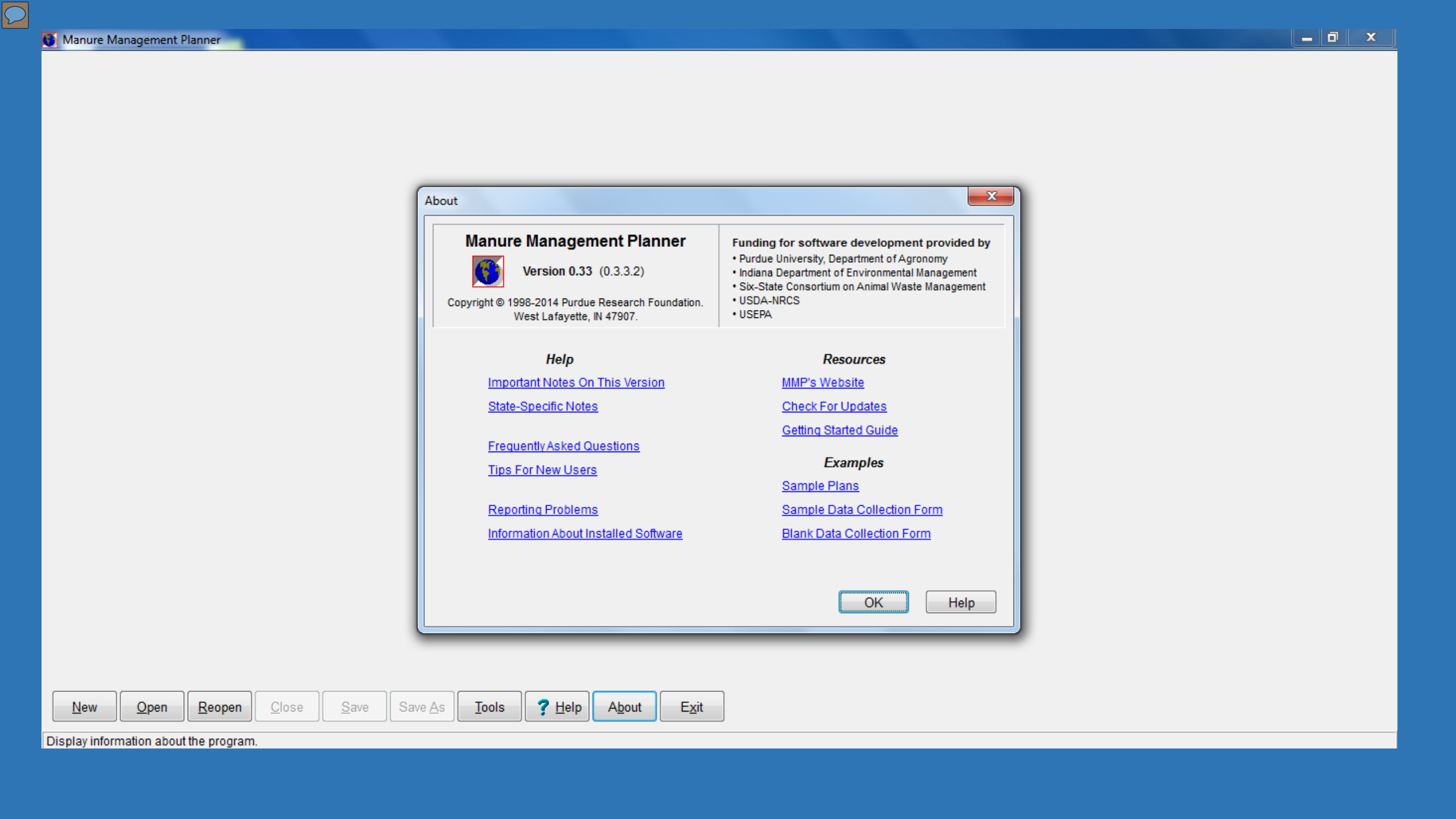
NRCS East NTSC

East National Technology Support Center

Using Manure Management Planner in Nutrient Management Planning and to Develop CNMPs

Steve Boetger,

Agronomist


Manure Management Planner
About
Manure Management Planner
Version 0.33 (0.3.3.2)
Copyright © 1998-2014 Purdue Research Foundation.
West Lafayette, IN 47907.
Funding for software development provided by
• Purdue University, Department of Agronomy
• Indiana Department of Environmental Management
• Six-State Consortium on Animal Waste Management
• USDA-NRCS
• USEPA
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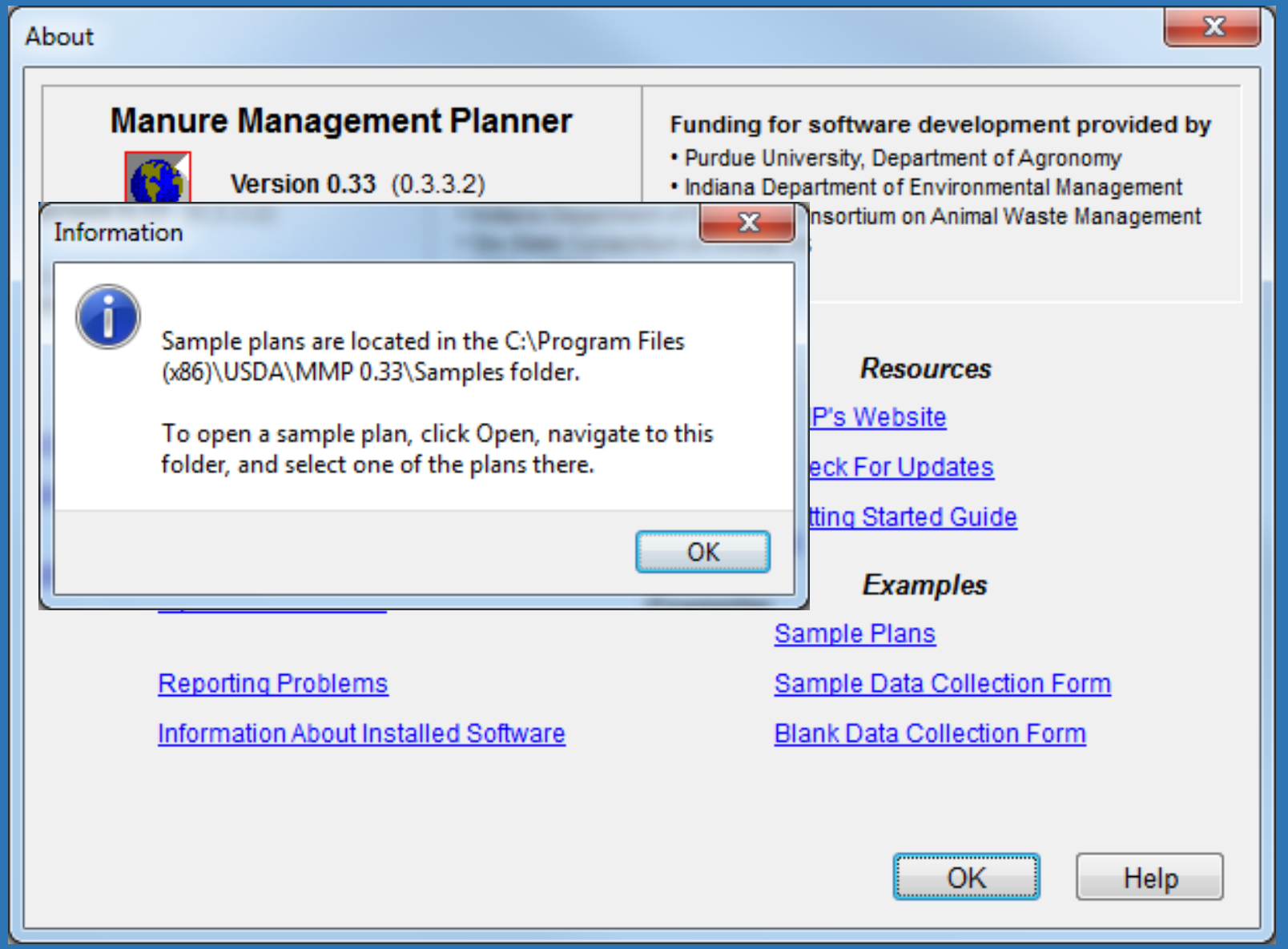
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• Indiana Department of Environmental Management
nsortium on Animal Waste Management
Information
Sample plans are located in the C:\Program Files (x86)\USDA\MMP 0.33\Samples folder.
To open a sample plan, click Open, navigate to this folder, and select one of the plans there.
OK
Resources
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tting Started Guide
Examples
Sample Plans
Sample Data Collection Form
Blank Data Collection Form
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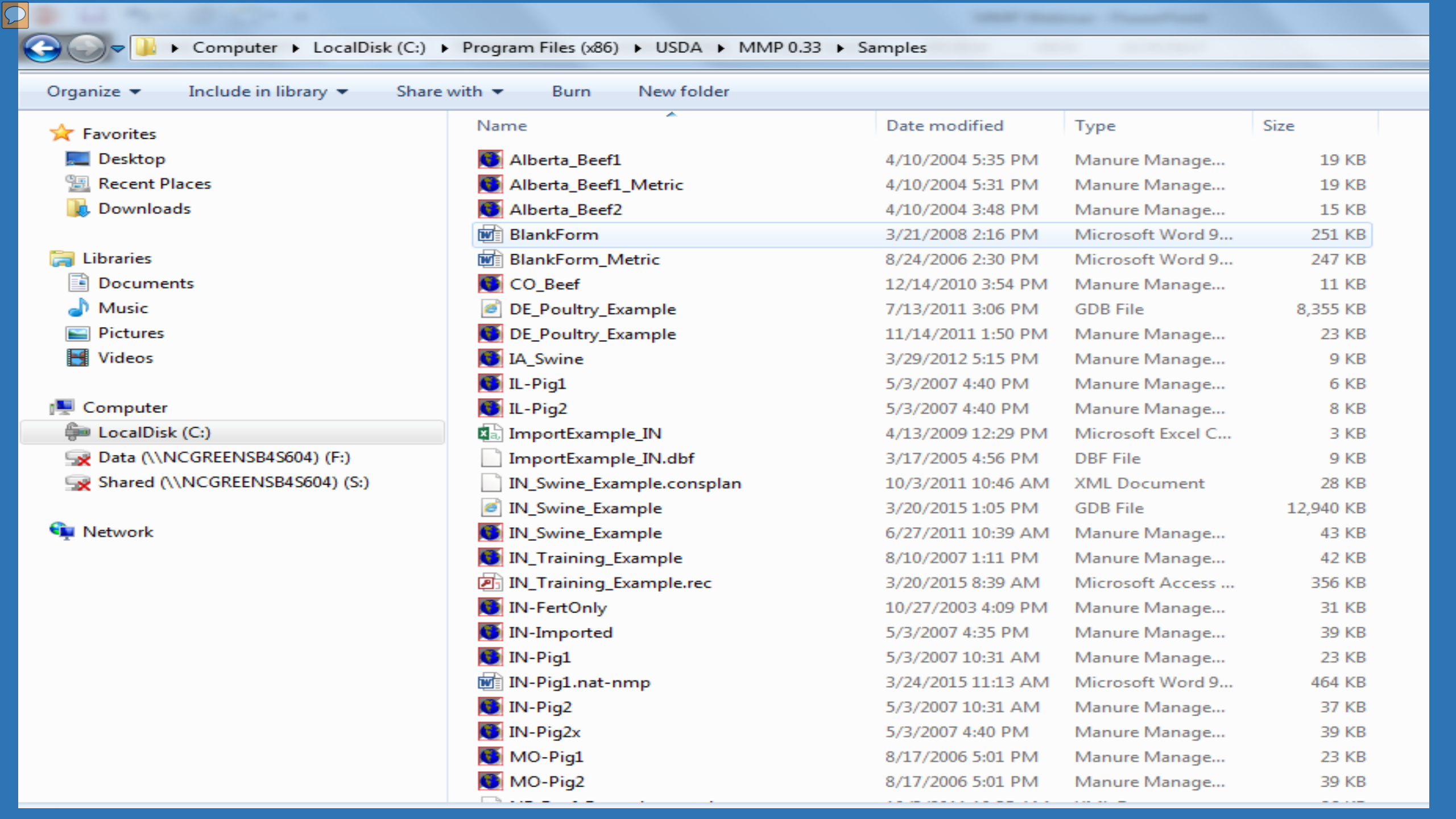
Computer ▸ LocalDisk (C:) ▸ Program Files (x86) ▸ USDA ▸ MMP 0.33 ▸ Samples
Organize
Include in library
Share with
Burn
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Videos
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Data (\\NCGREENSB4S604) (F:)
Shared (\\NCGREENSB4S604) (S:)
Network
Name
Date modified
Type
Size
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Alberta_Beef1_Metric 4/10/2004 5:31 PM Manure Manage... 19 KB
Alberta_Beef2 4/10/2004 3:48 PM Manure Manage... 15 KB
BlankForm 3/21/2008 2:16 PM Microsoft Word 9... 251 KB
BlankForm_Metric 8/24/2006 2:30 PM Microsoft Word 9... 247 KB
CO_Beef 12/14/2010 3:54 PM Manure Manage... 11 KB
DE_Poultry_Example 7/13/2011 3:06 PM GDB File 8,355 KB
DE_Poultry_Example 11/14/2011 1:50 PM Manure Manage... 23 KB
IA_Swine 3/29/2012 5:15 PM Manure Manage... 9 KB
IL-Pig1 5/3/2007 4:40 PM Manure Manage... 6 KB
IL-Pig2 5/3/2007 4:40 PM Manure Manage... 8 KB
ImportExample_IN 4/13/2009 12:29 PM Microsoft Excel C... 3 KB
ImportExample_IN.dbf 3/17/2005 4:56 PM DBF File 9 KB
IN_Swine_Example.consplan 10/3/2011 10:46 AM XML Document 28 KB
IN_Swine_Example 3/20/2015 1:05 PM GDB File 12,940 KB
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IN_Training_Example 8/10/2007 1:11 PM Manure Manage... 42 KB
IN_Training_Example.rec 3/20/2015 8:39 AM Microsoft Access ... 356 KB
IN-FertOnly 10/27/2003 4:09 PM Manure Manage... 31 KB
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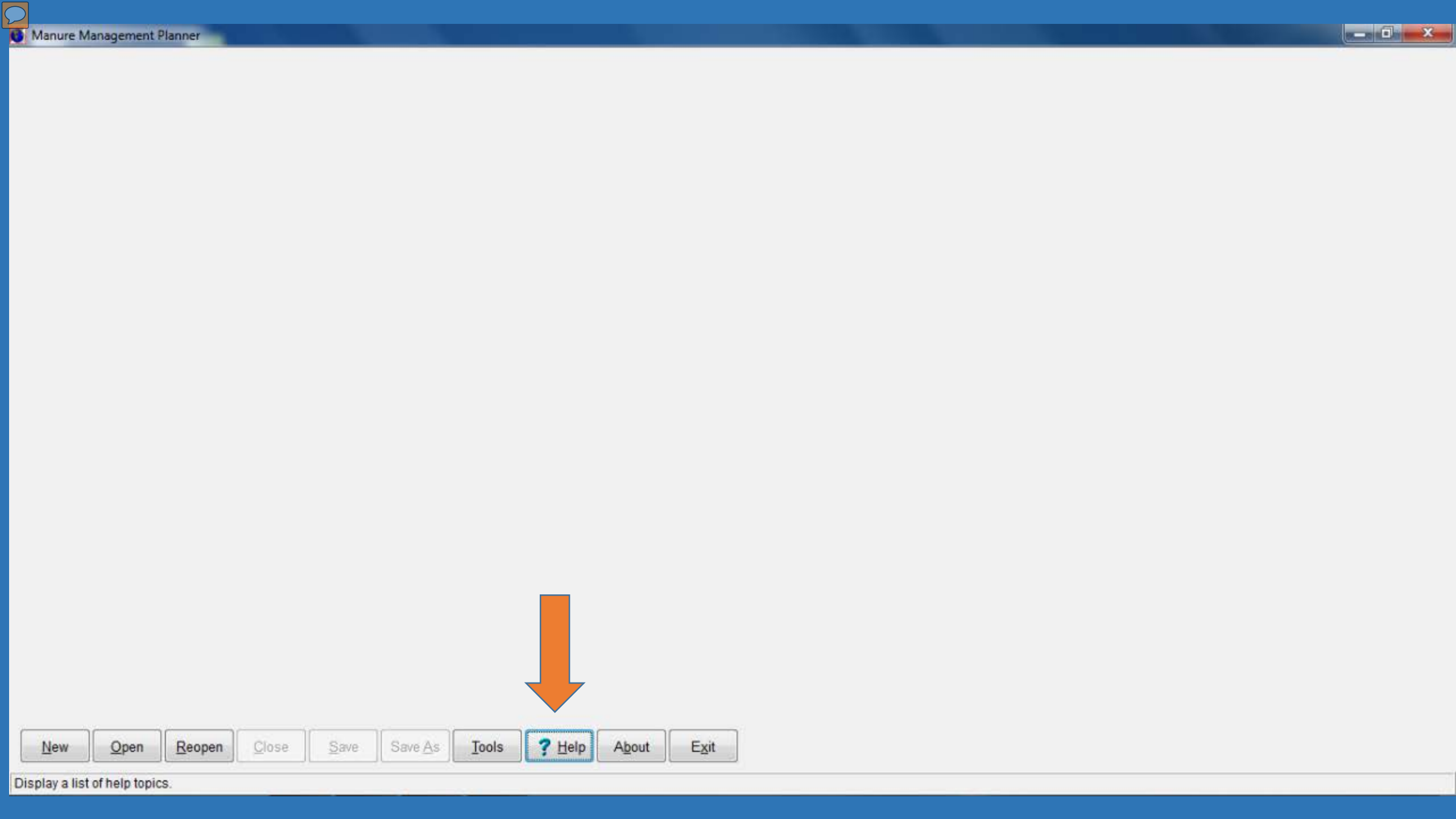
IN-Pig1 5/3/2007 10:31 AM Manure Manage... 23 KB
IN-Pig1.nat-nmp 3/24/2015 11:13 AM Microsoft Word 9... 464 KB
IN-Pig2 5/3/2007 10:31 AM Manure Manage... 37 KB
IN-Pig2x 5/3/2007 4:40 PM Manure Manage... 39 KB
MO-Pig1 8/17/2006 5:01 PM Manure Manage... 23 KB
MO-Pig2 8/17/2006 5:01 PM Manure Manage... 39 KB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Manure Management Planner Help

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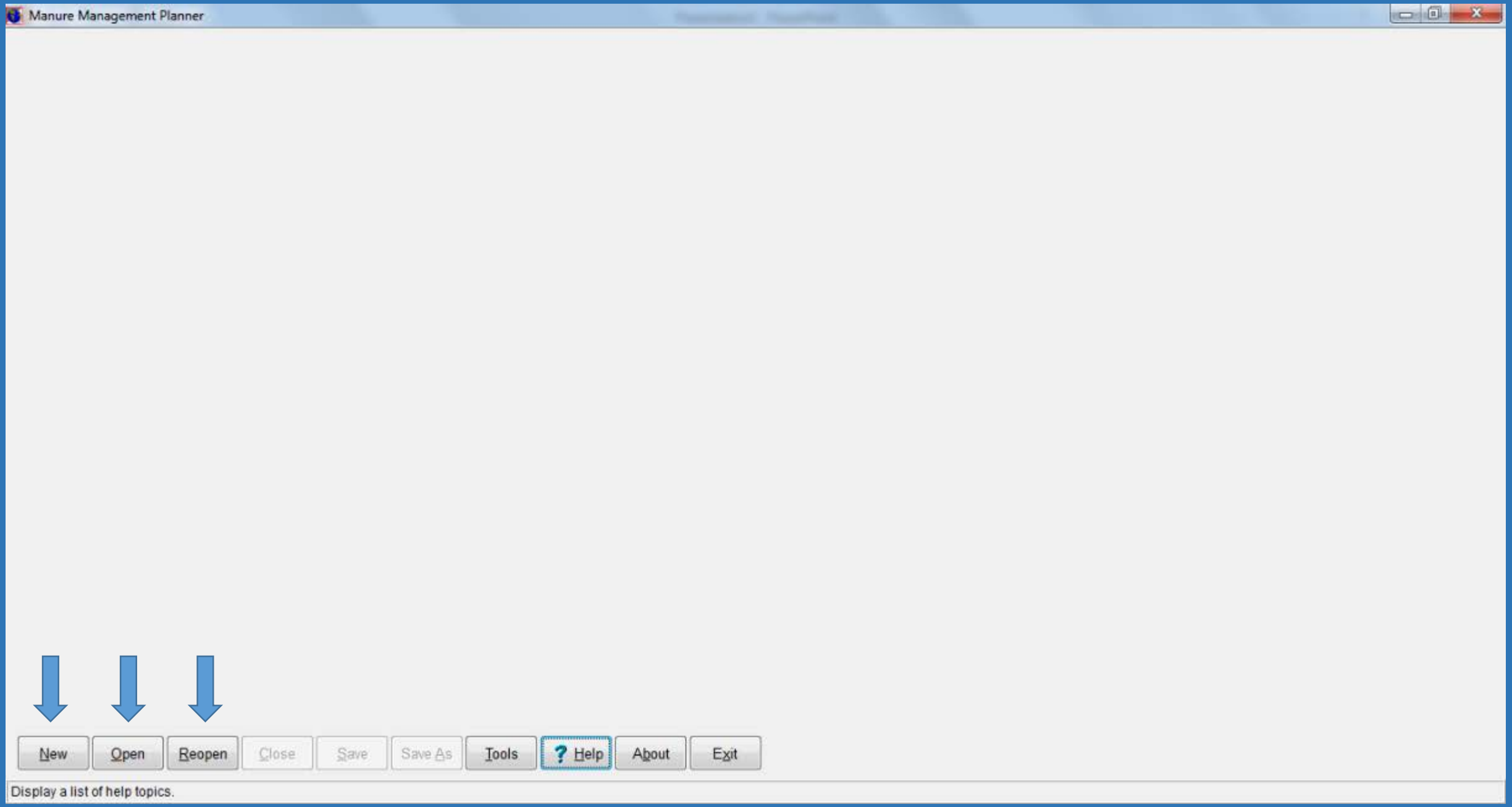
Manure Management Planner
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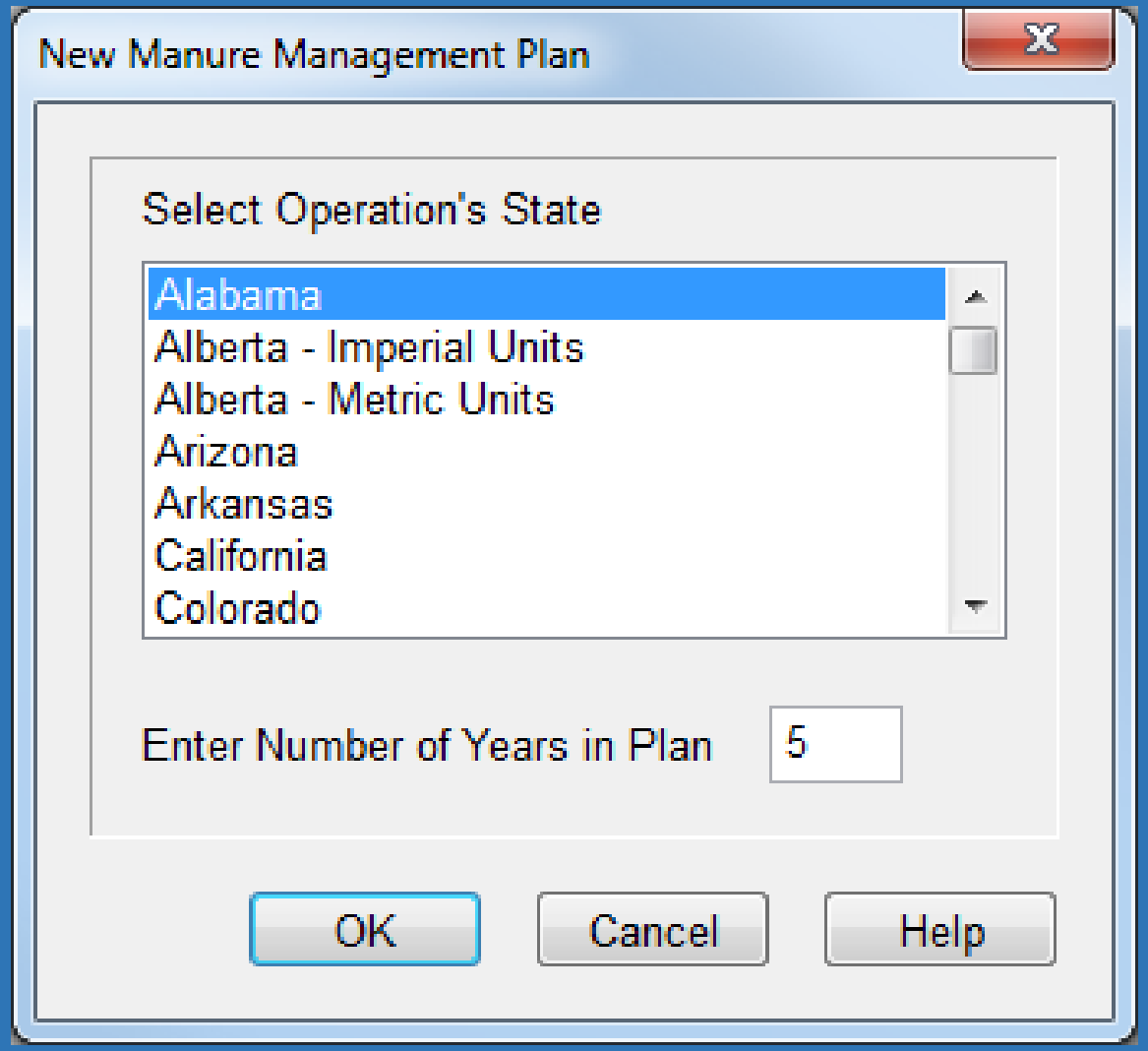
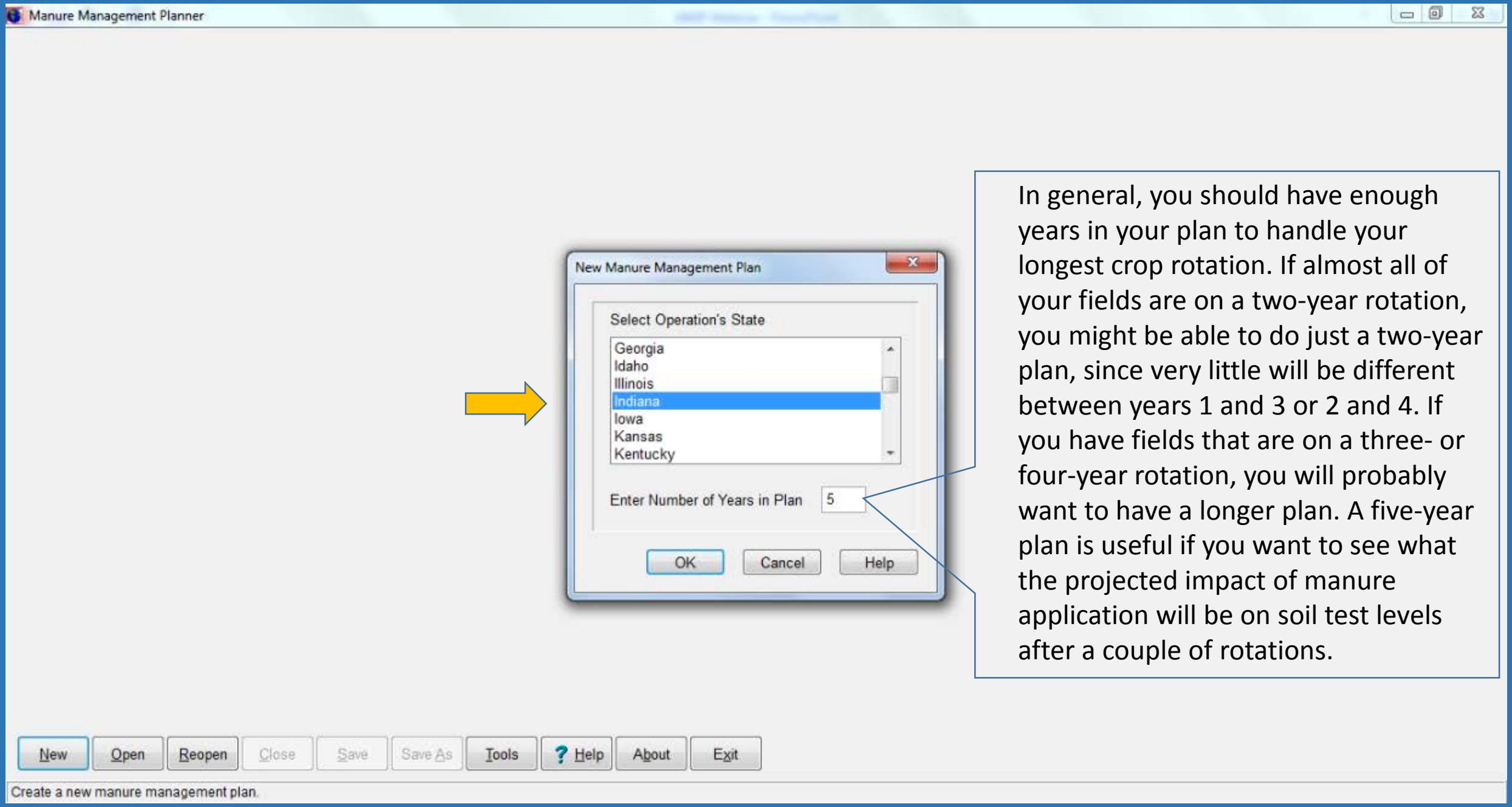
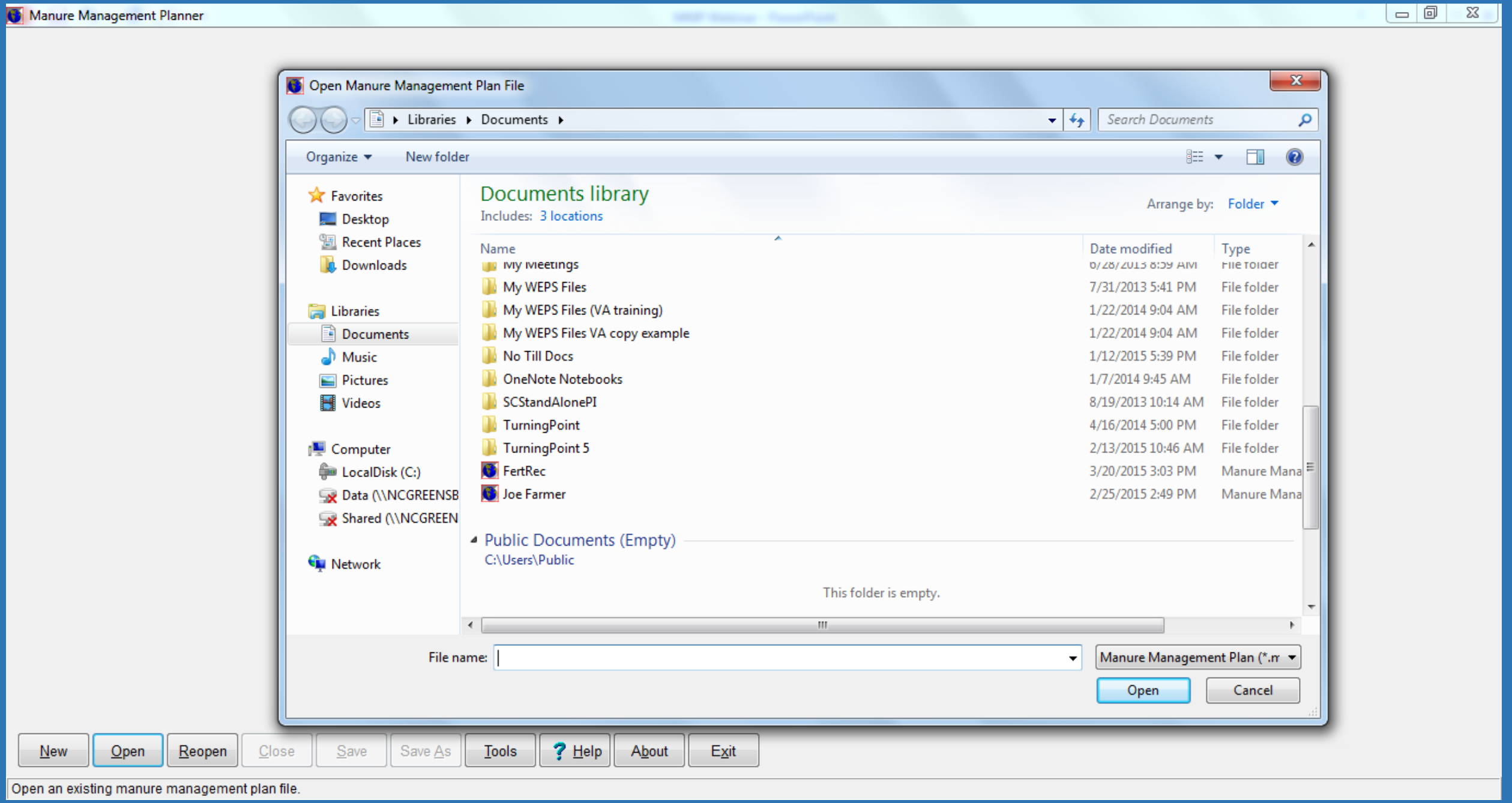
Display a list of help topics.


New Manure Management Plan
Select Operation's State
Alabama
Alberta - Imperial Units
Alberta - Metric Units
Arizona
Arkansas
California
Colorado
Enter Number of Years in Plan
5
OK
Cancel
Help



In general, you should have enough years in your plan to handle your longest crop rotation. If almost all of your fields are on a two-year rotation, you might be able to do just a two-year plan, since very little will be different between years 1 and 3 or 2 and 4. If you have fields that are on a three- or four-year rotation, you will probably want to have a longer plan. A five-year plan is useful if you want to see what the projected impact of manure application will be on soil test levels after a couple of rotations.


Manure Management Planner
Open Manure Management Plan File
Libraries ▸ Documents ▸
Search Documents
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New folder
Favorites
Desktop
Recent Places
Downloads
Libraries
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Music
Pictures
Videos
Computer
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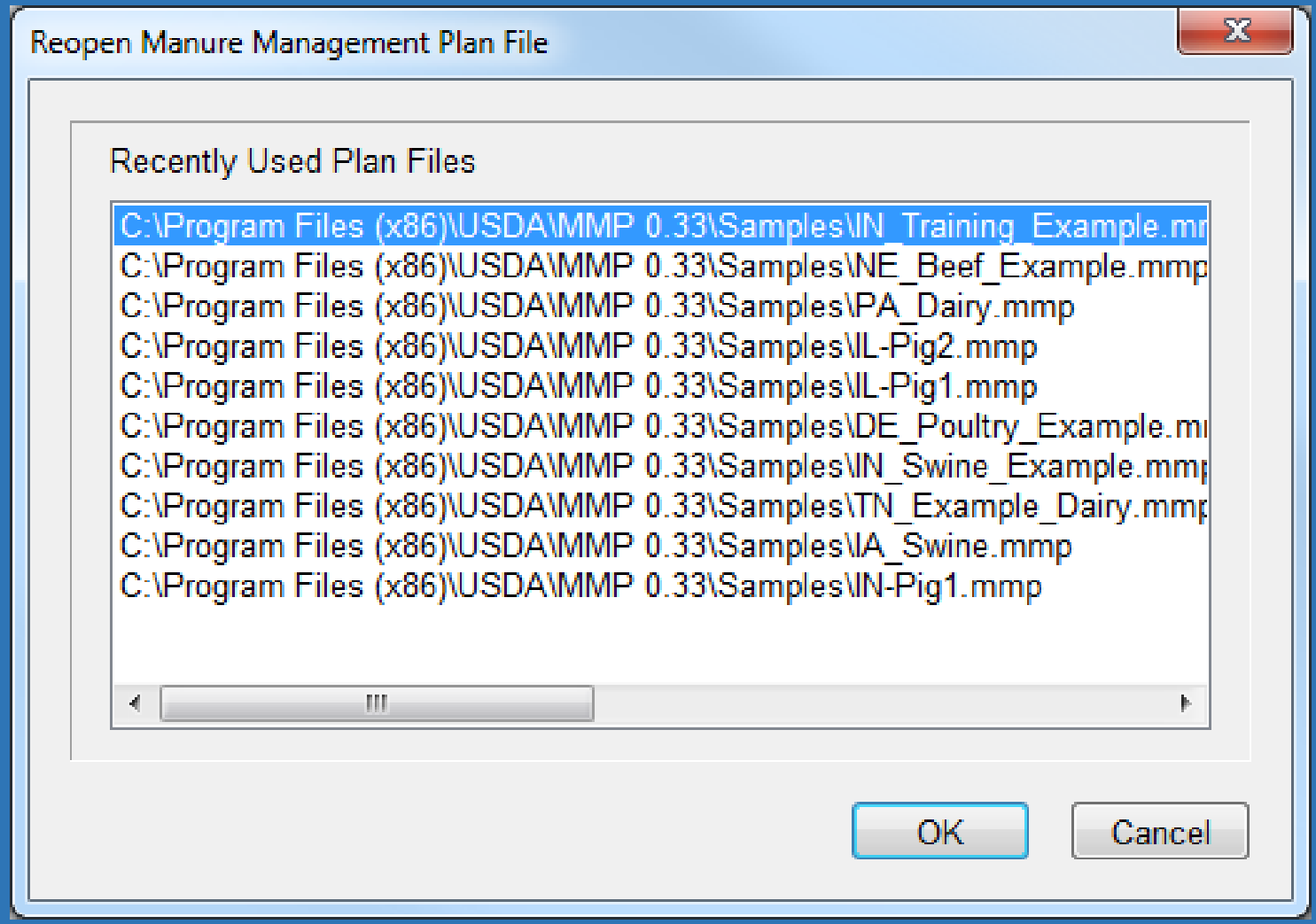
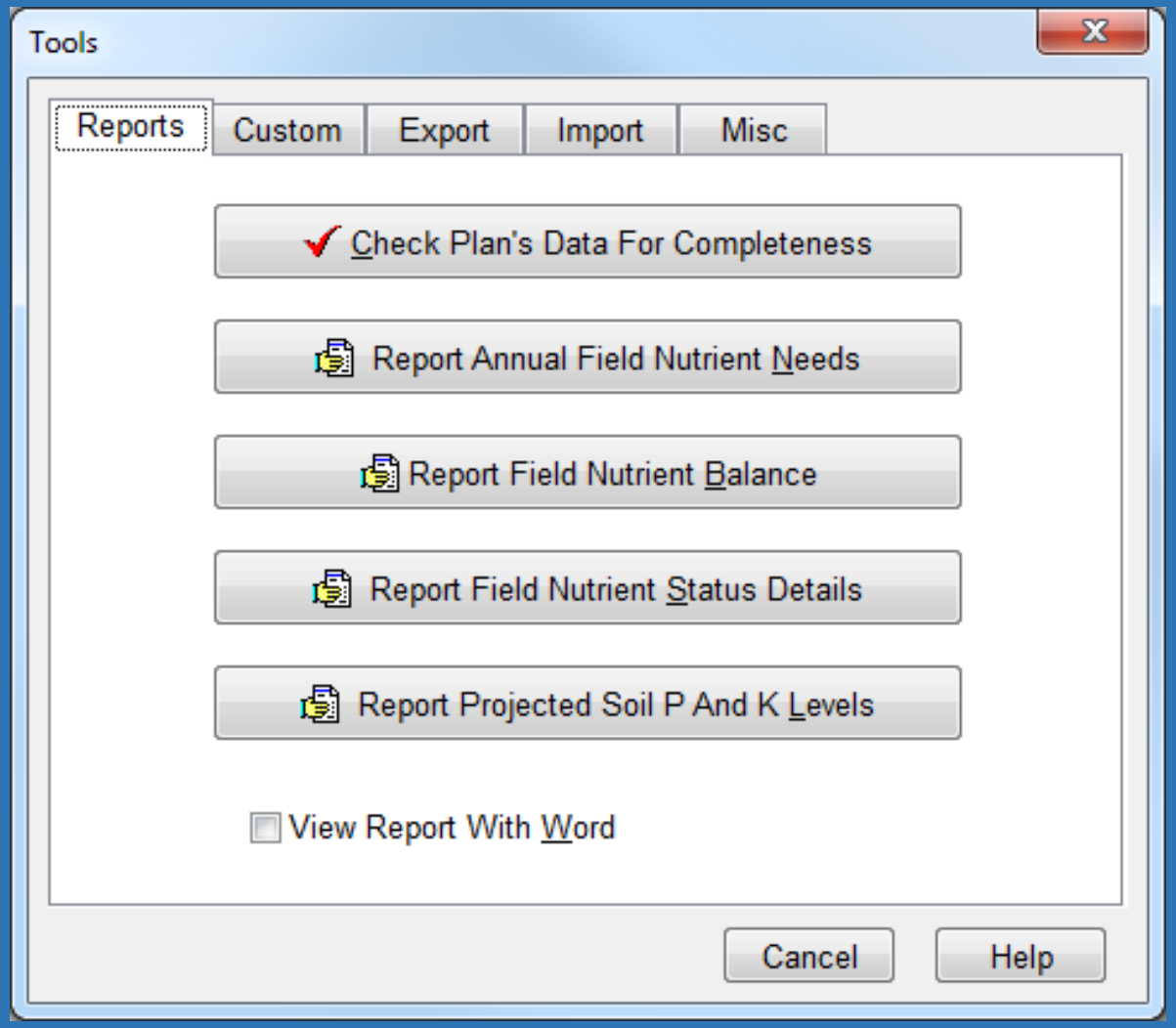
Data (\\NCGREENSB
Shared (\\NCGREEN
Network
Documents library
Includes: 3 locations
Arrange by: Folder
Name
Date modified
Type
My Meetings
My WEPS Files 7/31/2013 5:41 PM File folder
My WEPS Files (VA training) 1/22/2014 9:04 AM File folder
My WEPS Files VA copy example 1/22/2014 9:04 AM File folder
No Till Docs 1/12/2015 5:39 PM File folder
OneNote Notebooks 1/7/2014 9:45 AM File folder
SCStandAlonePI 8/19/2013 10:14 AM File folder
TurningPoint 4/16/2014 5:00 PM File folder
TurningPoint 5 2/13/2015 10:46 AM File folder
FertRec 3/20/2015 3:03 PM Manure Mana
Joe Farmer 2/25/2015 2:49 PM Manure Mana
Public Documents (Empty)
C:\Users\Public
This folder is empty.
File name:
Manure Management Plan (*.m
Open
Cancel
New
Open
Reopen
Close
Save
Save As
Tools
Help
About
Exit
Open an existing manure management plan file.


Reopen Manure Management Plan File
Recently Used Plan Files
C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN_Training_Example.mr
C:\Program Files (x86)\USDA\MMP 0.33\Samples\NE_Beef_Example.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\PA_Dairy.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\IL-Pig2.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\IL-Pig1.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\DE_Poultry_Example.mr
C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN_Swine_Example.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\TN_Example_Dairy.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\IA_Swine.mmp
C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN-Pig1.mmp
OK
Cancel


Tools
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Import
Misc
Check Plan's Data For Completeness
Report Annual Field Nutrient Needs
Report Field Nutrient Balance
Report Field Nutrient Status Details
Report Projected Soil P And K Levels
View Report With Word
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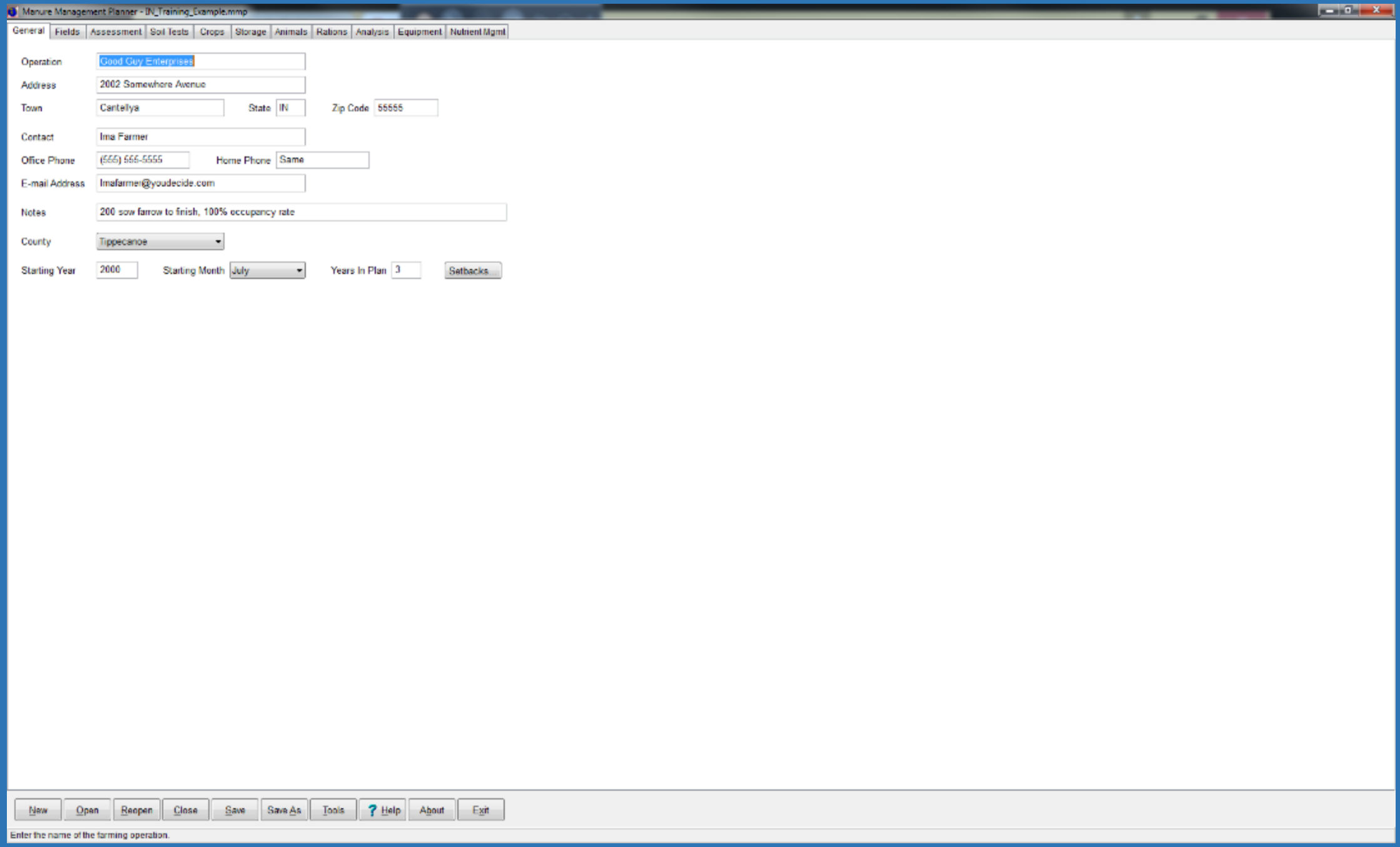
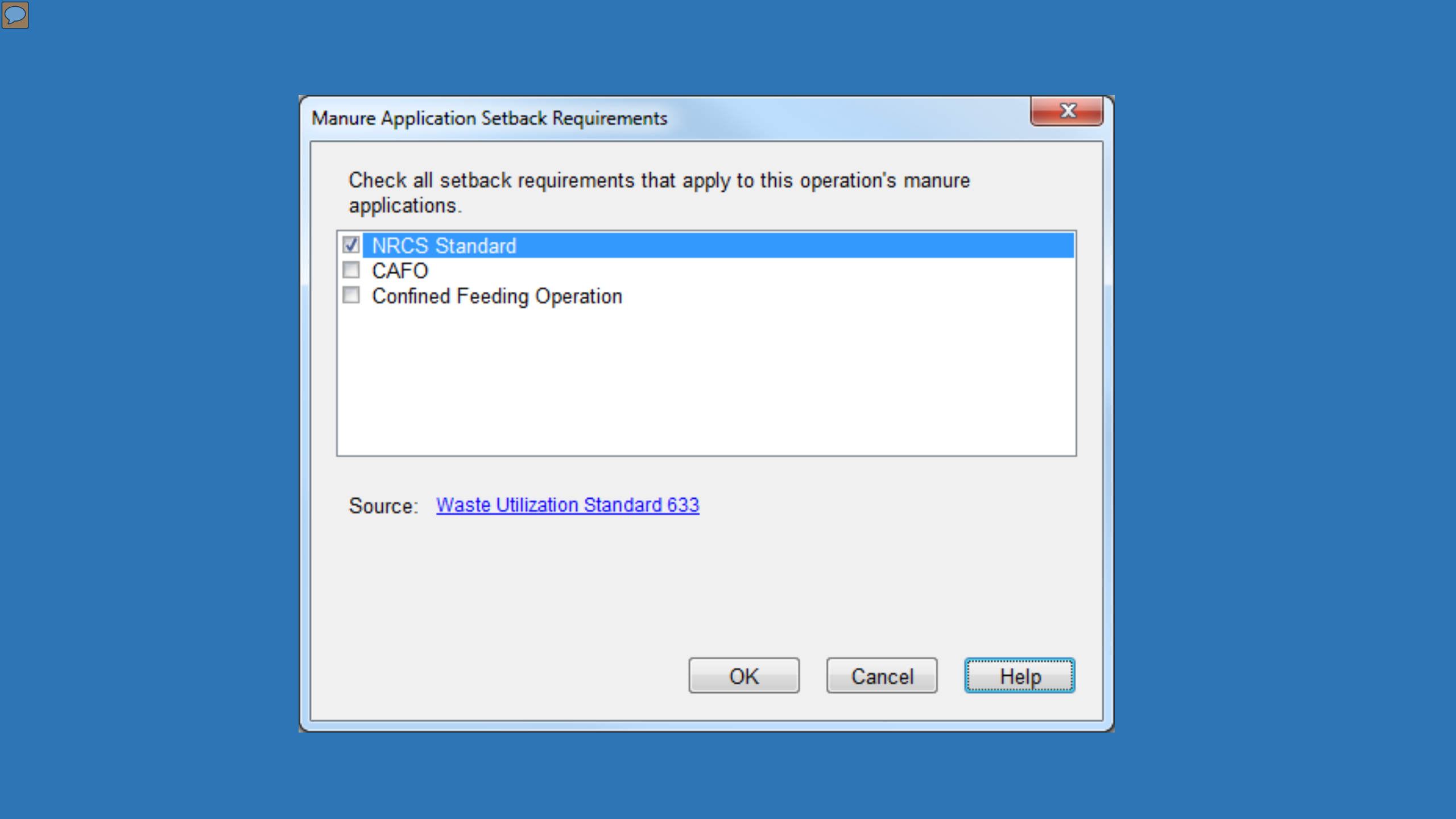
Click the underlined text to view help on that topic.


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Animals
Rations
Analysis
Equipment
Nutrient Mgmt
Operation
Good Guy Enterprises
Address
2002 Somewhere Avenue
Town
Cantellya
State
IN
Zip Code
55555
Contact
Ima Farmer
Office Phone
(555) 555-5555
Home Phone
Same
E-mail Address
Imafarmer@youdecide.com
Notes
200 sow farrow to finish, 100% occupancy rate
County
Tippecanoe
Starting Year
2000
Starting Month
July
Years In Plan
3
Setbacks...
New
Open
Reopen
Close
Save
Save As
Tools
Help
About
Exit
Enter the name of the farming operation.

Timing of Manure Applications

- MMP assumes the following:
  - Manure applied during Oct through Dec is for the following year's crop.
  - Manure applied during Jan through June is for the current year's crop.
  - Manure applied during July, Aug. and Sept. following a small grain crop harvested that summer is for the following year's crop.
  - Manure applied during July and August on a row crop (corn, soybeans, etc.) is for the current year's row crop.
  - Manure applied during July, Aug. and Sept. on a forage crop (alfalfa, pasture, hay) is for the current year's forage crop


Manure Application Setback Requirements
Check all setback requirements that apply to this operation's manure applications.
NRCS Standard
CAFO
Confined Feeding Operation
Source: Waste Utilization Standard 633
OK
Cancel
Help

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

Field ID	Subfield ID	Total Size (Acres)	Spread-able Size (Acres)	Storage Distance (Miles)	County (If Different From Operation's County)	Predominant Soil Type (Name, Texture, Survey Area ID, Map Symbol, Slope Range) Soil Info...	Slope % (If Not Ave.)	Irrigated With Water	Is Not Owned	Watershed 12-Digit Code	Farm ID	FSA Farm Number	FSA Tract Number	FSA Field Number
Field 1		35.9	33.4	0.7		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 2		40	34.8	1.1		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 3		35.8	34.4	0.6		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 4		32.6	31.3	1		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 5		19.5	18.5	0.2		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 6		18.5	18.5	0.3		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 7		16.4	16.4	0.4		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 8		17	17	0.5		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 9		24.6	22.4	0.8		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 10		32	28.1	0.7		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 11		22.4	20.2	0.2		Mahalasville SICL (157 Md 0-2%)					Good Guy Home			
Field 12		18.3	17.6	0.3		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 13		16	14.6	0.4		Mahalasville SICL (157 Md 0-2%)					Good Guy Home			
Field 14		15	13.9	0.5		Mahalasville SICL (157 Md 0-2%)					Good Guy Home			
Field 15		30.9	27.7	0.7		Crosby SIL (157 CtA 0-2%)					Good Guy Home			
Field 16		34.8	26.3	0.9		Crosby SIL (157 CtA 0-2%)					Good Guy Home			

Preview

Information About Soils

County: Tippecanoe **State:** Indiana **Soil File Rev:** 12/5/2013

Soil Name	Surface Texture	Map Unit Symbol	Survey Area ID[1]	Slope Range	OM Range	Bedrock Depth (In)	T Factor (T/A/Yr)	HWT (Cm)	Drainage	Annual Flooding	Monthly Flooding	Runoff	WEI	NLI	KfFact	Slope Len (M)
Allison	SIL	Am	157	0-2%	2-4%		5		Well	Rare	NNNNNNNNNNN	Neg	86	8	.28	61
Allison	SIL	Ap	157	0-2%	2-4%		5		Well	Freq	FFFFFNNNNNN	Neg	86	8	.28	61
Alvin	FSL	AtB2	157	2-6%	0.5-1%		5		Well	None	NNNNNNNNNNN	VLow	86	13	.24	61
Battleground	SIL	Ba	157	0-2%	2-5%		5		Well	Rare	NNNNNNNNNNN	Neg	86	8	.32	61
Battleground	SIL	Bb	157	0-2%	2-5%		5		Well	Freq	FFFFFFNNNFF	Neg	86	8	.32	61
Beecher	SIL	BgA	157	0-2%	2-4%		5	38	SPoor	None	NNNNNNNNNNN	Med	48	4	.37	61
Berks	CN-SIL	BkF	157	25-60%	0.5-3%	29	3		Well	None	NNNNNNNNNNN	High	48	4	.49	46
Billett	FSL	BlA	157	0-2%	1-3%		5		Well	None	NNNNNNNNNNN	VLow	86	13	.2	61
Billett	FSL	BlB2	157	2-6%	1-3%		5		Well	None	NNNNNNNNNNN	VLow	86	13	.2	46
Billett	FSL	BmA	157	0-2%	1-2%		5	69	MWell	None	NNNNNNNNNNN	VLow	86	8	.2	61
Billett	L	BnA	157	0-2%	1-3%		3		Well	None	NNNNNNNNNNN	VLow	56	13	.32	61
Billett	L	BnB2	157	2-6%	1-3%		3		Well	None	NNNNNNNNNNN	VLow	56	13	.32	46
Billett	FSL	OaB2	157	2-6%	1-2%		5	69	MWell	None	NNNNNNNNNNN	VLow	86	13	.2	46
Billett	L	UbB	157	2-8%	1-2%		3		Well		NNNNNNNNNNN	VLow	56	13	.32	15
Bowes	SIL	BoA	157	0-2%	2-4%		4		Well	None	NNNNNNNNNN	Low	48	8	.37	61
Bowes variant	SIL	BpA	157	0-2%	2-4%		4	69	MWell	None	NNNNNNNNNN	Low	56	4	.37	46
Brenton	SIL	RcA	157	0-1%	2-5%		5	38	SPoor	None	NNNNNNNNNN	Low	48	4	.32	61
Camden	SIL	CaA	157	0-2%	1-3%		5		Well	None	NNNNNNNNNN	Low	56	8	.43	46
Carmi	SL	CfB	157	2-6%	2-6%		4		Well	None	NNNNNNNNNNN	VLow	86	13	.17	61
Carmi	L	CgA	157	0-2%	2-4%		4		Well	None	NNNNNNNNNN	Low	56	8	.24	61
Carmi	L	UcA	157	0-2%	2-4%		4		Well	None	NNNNNNNNNN	Low	56	8	.24	15
Ceresco	SL	Ck	157	0-2%	3-5%		4	38	SPoor	Rare	NNNNNNNNNN	Neg	86	13	.17	30
Ceresco	L	Cl	157	0-2%	3-5%		3	38	SPoor	Occas	NNNNNNNNNN	Neg	86	8	.28	30
Chalmers	SICL	Cm	157	0-2%	3-6%		5	15	Poor	None	NNNNNNNNNN	Neg	48	8	.28	61
Cohoctah	FSL	Co	157	0-1%	3-6%		3	7	VPoor	Rare	NNNNNNNNNN	Neg	86	13	.2	61
Cohoctah	L	Cp	157	0-1%	3-6%		4	7	VPoor	Occas	NNNNNNNNNN	Neg	56	13	.24	30
Coloma	LS	CrC	157	6-15%	0.5-2%		5		SEWell	None	NNNNNNNNNN	VLow	134	13	.1	37
Crosby	SIL	CtA	157	0-2%	1-3%		3	38	SPoor	None	NNNNNNNNNN	Med	56	4	.49	46
Crosby	SIL	CwB2	157	2-6%	1-2.5%		3	38	SPoor	None	NNNNNNNNNN	Med	56	4	.49	53
Crosby	SIL	FcB	157	1-3%	1-3%		3	38	SPoor	None	NNNNNNNNNN	Med	56	8	.49	46
Desker	GR-SL	DmC2	157	6-12%	2-4%		2		Well	None	NNNNNNNNNN	Low	56	13	.17	46
Desker	SL	DoC2	157	6-12%	2-4%		2		Well	None	NNNNNNNNNN	Low	86	13	.17	46
Desker	SL	DpD2	157	12-18%	2-4%		2		Well	None	NNNNNNNNNN	Low	86	13	.17	30
Drummer	SICL	Du	157	0-2%	3-6%		5	15	Poor	None	NNNNNNNNNN	Neg	48	8	.24	76
Du Page	L	Dy	157	0-2%	3-5%		5		Well	Freq	FFFFFFNNNNN	Neg	86	8	.17	61
Elston	SL	EkA	157	0-2%	2-4%		4		Well	None	NNNNNNNNNN	VLow	86	13	.1	46
Elston	L	EmA	157	0-2%	2-4%		3		Well	None	NNNNNNNNNN	VLow	56	13	.2	46
Fincastle	SIL	FcB	157	1-3%	1-3%		4	38	SPoor	None	NNNNNNNNNN	Low	56	8	.43	46
Fincastle	SIL	SwA	157	0-2%	1-3%		4	38	SPoor	None	NNNNNNNNNN	Low	56	8	.43	46
Fincastle	SIL	UsA	157	0-2%	1-3%		4	38	SPoor	None	NNNNNNNNNN	Low	56	8	.43	15
Harpster	SIL	Hd	157	0-2%	3-6%		5	15	Poor	None	NNNNNNNNNN	Neg	86	8	.28	30
High Gap variant	SIL	HfB2	157	1-6%	1-3%	36	3	69	MWell	None	NNNNNNNNNN	Med	48	4	.37	46
High Gap variant	SIL	HfC2	157	6-12%	1-3%	36	3	69	MWell	None	NNNNNNNNNN	High	48	4	.37	30
Hononegah	LS	HnB	157	2-6%	1-2%		3		EWell	None	NNNNNNNNNN	VLow	134	13	.05	30
Hononegah	FSL	HoA	157	0-2%	1-2%		2		EWell	None	NNNNNNNNNN	VLow	86	13	.2	30
Houghton	MUCK	Hv	157	0-2%	70-99%		2	7	VPoor	None	NNNNNNNNNN	Neg	0	13		46
Kalamazoo	L	KaA	157	0-2%	1-3%		3		Well	None	NNNNNNNNNN	Low	56	8	.37	46
Kalamazoo	L	KaB2	157	2-6%	1-3%		3		Well	None	NNNNNNNNNN	Med	56	8	.37	46
Kalamazoo	SIL	KbB2	157	2-6%	1-3%		3		Well	None	NNNNNNNNNN	Med	56	8	.43	46
Kalamazoo	SIL	KcB2	157	2-6%	1-3%		3		Well	None	NNNNNNNNNN	Med	56	8	.43	46
Kalamazoo	SIL	KcC2	157	6-12%	1-3%		3		Well	None	NNNNNNNNNN	Med	56	8	.43	30
Kosciusko	SL	KoD2	157	12-18%	1-2%		3		Well	None	NNNNNNNNNN	Med	86	8	.24	23
Kosciusko	GR-SCL	KpC3	157	6-12%	0.5-2%		2		Well	None	NNNNNNNNNN	Med	48	8	.17	46
La Hogue	L	LeA	157	0-2%	2-4%		4	38	SPoor	None	NNNNNNNNNN	Low	48	8	.24	61
Lafayette	SIL	LaA	157	0-2%	2-4%		5	38	SPoor	None	NNNNNNNNNN	Low	48	8	.32	46
Lash	SIL	Lm	157	0-2%	2-4%		4		Well	Freq	FFFFFFNNNFF	Neg	86	8	.43	61
Lauramie	SIL	LnA	157	0-2%	2-3%		5		Well	None	NNNNNNNNNN	Low	56	8	.43	61
Lauramie	SIL	LnB2	157	2-6%	2-3%		5		Well	None	NNNNNNNNNN	Med	56	8	.43	53
Linkville	L	LoA	157	0-2%	2-5%		5		Well	None	NNNNNNNNNN	Low	48	8	.2	46
Linkville	L	LoB	157	2-6%	2-5%		5		Well	None	NNNNNNNNNN	Low	48	8	.2	61
Longlois	SIL	LvB2	157	2-6%	1-3%		4		Well	None	NNNNNNNNNN	Med	48	8	.37	46
Longlois	SIL	LwB2	157	2-6%	1-3%		4		Well	None	NNNNNNNNNN	Med	48	8	.43	53

Find Text

Find What [ ] Match Case [Find] [Print] [Save] [Close] [Help]

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Field ID	Subfield ID	Distance To Water (Feet)	Type Of Water	Slope Length (Feet)	Runoff Reduct. Practice	Buffer Width (Feet)	Type Of Artificial Drainage	Manure Applied Annually	Will Not Receive Manure	Water Erosion (T/A/Yr)	Wind Erosion (T/A/Yr)	Irrigation Erosion (T/A/Yr)	Gully Erosion (T/A/Yr)	Ephem. Erosion (T/A/Yr)	P Index Or Risk Index
»	Field 1		500					Tile w/o surf inlets, random			0.8					
	Field 2		50					Tile w/o surf inlets, random			0.8					
	Field 3		800					Tile w/ surface inlets, random			1.4					
	Field 4		25					Tile w/o surf inlets, random			0.8					
	Field 5		3,500					Tile w/o surf inlets, random			1.4					
	Field 6		200					Tile w/o surf inlets, random			1.4					
	Field 7		1,600					Tile w/o surf inlets, random			1.4					
	Field 8		1,400					Tile w/o surf inlets, random			1.4					
	Field 9		50					Tile w/ surface inlets, random			1.4					
	Field 10		50					Tile w/o surf inlets, random			1.4					
	Field 11		4,000					Tile w/o surf inlets, random			1					
	Field 12		3,600					Tile w/o surf inlets, random			1.4					
	Field 13		3,300					Tile w/ surface inlets, random			1					
	Field 14		1,900					Tile w/o surf inlets, random			1					
	Field 15		75					Tile w/ surface inlets, random			1.4					
	Field 16		50					Tile w/o surf inlets, random			1.4					

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Field ID	Subfield ID	Test Year	OM (%)	P	P Test Used	K	Mg	Ca	Na	Al	Levels Are In Lb/A	Soil pH	Buffer pH	Target pH	Esti-mated CEC	CEC	Lime (%)	NO3-N (ppm) Calc...	EC (mmhos /cm)	SO4-S (ppm)	Notes
»	Field 1		2000	2.4	75	Bray P1	210	419	2,398				6.3	7		16						
	Field 2		2000	2.3	35	Bray P1	175	409	2,460				6.7	7.1		16.2						
	Field 3		2000	2	80	Bray P1	190	382	2,209				6.6	7.1		14.7						
	Field 4		2000	1.6	42	Bray P1	168	376	2,578				6.7	7.1		16.5						
	Field 5		1999	2.7	215	Bray P1	238	168	1,534				6.4	6.8		12.1						
	Field 6		1999	2.9	160	Bray P1	258	200	1,441				5.9	6.6		14.3						
	Field 7		1999	2.7	110	Bray P1	178	245	1,528				6.1	6.6		14.9						
	Field 8		1999	2.7	75	Bray P1	118	227	1,741				6.1	6.6		15.7						
	Field 9		1998	2.3	28	Bray P1	134	205	1,654				6.2	7		10.3						
	Field 10		1998	2.5	48	Bray P1	144	245	1,600				6.1	6.6		15.2						
	Field 11		1999	2.3	205	Bray P1	183	239	1,565				6.4	6.9		11.5						
	Field 12		1999	2.6	140	Bray P1	165	224	1,489				6.5	6.9		10.9						
	Field 13		1999	2.4	125	Bray P1	190	168	1,450				5.9	6.5		15.1						
	Field 14		1999	2.2	58	Bray P1	188	187	1,491				6.1	6.7		13.1						
	Field 15		1998	2.6	80	Bray P1	190	226	1,508				6.2	6.6		14.7						
	Field 16		1998	2.2	125	Bray P1	187	203	1,345				5.9	6.6		13.7						

New | Open | Reopen | Close | Save | Save As | Tools | Help | About | Exit

Enter the year that the field's soil test sample was taken.

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Field ID	Subfield ID	Crop Year	Planned Crop (Or Second Crop If Double Cropping) [Crop Info... RUSLE2...]	Yield Goal (/Acre)	Yield Units	Legume % Stand	Default N Rec (Lb/A)	Default P2O5 Rec (Lb/A)	Default K2O Rec (Lb/A)	Custom N Rec (Lb/A)	Custom P2O5 Rec (Lb/A)	Custom K2O Rec (Lb/A)	Source Of Custom Fertilizer Recommendation	Planned Cover Crop (Not Harvested) Or First Crop (If Double Cropping)	Yield Goal (/Acre)	Yield Units	Legume % Stand	Default N Rec (Lb/A)	Default P2O5 Rec (Lb/A)	Default K2O Rec (Lb/A)	Custom N Rec (Lb/A)	Custom P2O5 Rec (Lb/A)	Custom K2O Rec (Lb/A)	Sou
»	Field 1		2001	Corn	180	Bu		220	0	0															
	Field 1		2002	Soybean	55	Bu		0	0	0															
	Field 1		2003	Wheat	65	Bu		65	0	0															
	Field 2		2001	Wheat	65	Bu		65	40	0															
	Field 2		2002	Corn	180	Bu		220	35	0															
	Field 2		2003	Soybean	55	Bu		0	20	0															
	Field 3		2001	Corn	180	Bu		190	0	0															
	Field 3		2002	Soybean	55	Bu		0	0	0															
	Field 3		2003	Corn	180	Bu		190	0	0															
	Field 4		2001	Soybean	55	Bu		0	0	0															
	Field 4		2002	Wheat	65	Bu		65	35	0															
	Field 4		2003	Corn	180	Bu		220	0	0															
	Field 5		2001	Corn	180	Bu		190	0	0															
	Field 5		2002	Soybean	55	Bu		0	0	0															
	Field 5		2003	Corn	180	Bu		190	0	0															
	Field 6		2001	Corn	180	Bu		190	0	0															
	Field 6		2002	Soybean	55	Bu		0	0	0															
	Field 6		2003	Corn	180	Bu		190	0	0															
	Field 7		2001	Soybean	55	Bu		0	0	0															
	Field 7		2002	Corn	180	Bu		190	0	0															
	Field 7		2003	Soybean	55	Bu		0	0	0															
	Field 8		2001	Soybean	55	Bu		0	0	95			0	2-year K applied for previous year corn.											
	Field 8		2002	Corn	180	Bu		190	0	70															
	Field 8		2003	Soybean	55	Bu		0	0	95															
	Field 9		2001	Corn	180	Bu		190	65	55															
	Field 9		2002	Soybean	55	Bu		0	45	80															
	Field 9		2003	Corn	180	Bu		190	65	55															
	Field 10		2001	Corn	180	Bu		190	0	65															
	Field 10		2002	Soybean	55	Bu		0	0	90															
	Field 10		2003	Corn	180	Bu		190	0	65															
	Field 11		2001	Corn	180	Bu		190	0	0															
	Field 11		2002	Soybean	55	Bu		0	0	0															
	Field 11		2003	Corn	180	Bu		190	0	0															
	Field 12		2001	Corn	180	Bu		190	0	0															
	Field 12		2002	Soybean	55	Bu		0	0	0															
	Field 12		2003	Corn	180	Bu		190	0	0															
	Field 13		2001	Soybean	55	Bu		0	0	0															
	Field 13		2002	Corn	180	Bu		190	0	0															

New | Open | Reopen | Close | Save | Save As | Tools | Help | About | Exit

Select the field's crop for the indicated year.

Preview

Information About Crops

State: Indiana

Init. File Rev: 12/16/2013

Crop	Yield Units	N Removed Lb/Unit	P_2O_5 Removed Lb/Unit	K_2O Removed Lb/Unit	Source Of Fertilizer Recommendations
Alfalfa	Ton		13	50	"Tri-State Fertilizer Recommendations," Extension Bulletin E-2567, Aug. 1996
Corn	Bu		0.37	0.27	"Tri-State Fertilizer Recommendations," Extension Bulletin E-2567, Aug. 1996
Corn silage	Ton		3.3	8.0	"Tri-State Fertilizer Recommendations," Extension Bulletin E-2567, Aug. 1996
CRP					
Fallow					
Grass maintenance	Ton		9	40	"Maximizing the Value of Pasture for Horses," Purdue ID-167, 5/93
Grass new	Ton		9	40	"Maximizing the Value of Pasture for Horses," Purdue ID-167, 5/93
Grass-legume maint	Ton		11	45	"Maximizing the Value of Pasture for Horses," Purdue ID-167, 5/93
Grass-legume new	Ton		11	45	"Maximizing the Value of Pasture for Horses," Purdue ID-167, 5/93
Legume cover					
Other					
Small grain cover					"Winter Cover Crops -- Their Value and Management," Purdue AY-247, 9/85
Soybean	Bu		0.8	1.4	"Tri-State Fertilizer Recommendations," Extension Bulletin E-2567, Aug. 1996
Tomato, processing	Ton		0.8	7	"Fertilizer Recommendations for Vegetable Crops in Michigan," MSU E-550B, March 1992
Wheat	Bu		0.63	0.37	"Tri-State Fertilizer Recommendations," Extension Bulletin E-2567, Aug. 1996

Manure Management Planner - IN_Training_Example.mmp

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Crop Info... RUSLE2...

	Field ID	Subfield ID	Crop Year	Planned Crop (Or Second Crop If Double Cropping)	Yield Goal (/Acre)	Yield Units	Legume % Stand	Default N Rec (Lb/A)	Default P2O5 Rec (Lb/A)	Default K2O Rec (Lb/A)	Custom N Rec (Lb/A)	P
»	Field 1		2001	Corn	180	Bu		220	0	0		
	Field 1		2002		55	Bu		0	0	0		
	Field 1		2003		65	Bu		65	0	0		
	Field 2		2001		65	Bu		65	40	0		
	Field 2		2002		180	Bu		220	35	0		
	Field 2		2003		55	Bu		0	20	0		
	Field 3		2001		180	Bu		190	0	0		
	Field 3		2002		55	Bu		0	0	0		
	Field 3		2003		180	Bu		190	0	0		
	Field 4		2001		55	Bu		0	0	0		
	Field 4		2002	Wheat	65	Bu		65	35	0		
	Field 4		2003	Corn	180	Bu		220	0	0		

(None)
Alfalfa
Corn
Corn silage
CRP
Fallow
Grass maintenance
Grass new
Grass-legume maint
Grass-legume new
Other
Soybean
Tomato, processing
Wheat

RUSLE2 Data Editor

RUSLE2 Data For Plan

Database:	C:\ProgramData\USDA\RUSLE2 New Ver\RUSLE2 NRCS Pseudoinstaller 02162015\RUSLE2 NRCS Pseudoinstaller	Select...
Climate Location:	USA\Indiana\Tippecanoe County	Select...
Soil Survey:	Tippecanoe County, Indiana	Select...

RUSLE2 Data For Field: Field 1

Soil Type:	Unable to get soils for RUSLE2 survey (Tippecanoe County, Indiana).	
Slope:	1%	
Slope Length:	100 feet (based on slope)	
Rock Cover:	(Not entered -- will assume 0%)	
Subsurface Drainage:	(No patterned drainage -- will use none)	
Contouring:	(Not selected -- will assume rows up-and-down hill)	Select...
Strips/Barriers:	(Not selected -- will assume none)	Select...
Diversion/Terrace:	(Not selected -- will assume none)	Select...
Residue Burial:	(Not selected -- will assume normal burial)	Select...
Notes		

RUSLE2 Data For Crop: Corn (2001)

Management:	CMZ 16\a.Single Year/Single Crop Templates\Corn Grain 30-36 In. Rows corn grain;FC, st pt, disk, fcult, z16	Select... Customize...

Field Crop

Check Data... Check P Risk... Duplicate... Close Help

Indiana Offsite Risk Index

Operation: Good Guy Enterprises *County:* Tippecanoe *Plan Saved:* 8/10/2007
Plan File: IN_Training_Example.mmp *State:* Indiana *Init. File Rev:* 12/16/2013
Plan Folder: C:\Program Files (x86)\USDA\MMP 0.33\Samples *Soils File Rev:* 12/5/2013

Field	Soil Test P	Application Limit
Field 2	35 ppm	Nitrogen Based

Indiana Offsite Risk Index

Operation: Good Guy Enterprises *County:* Tippecanoe *Plan Saved:* 8/10/2007
Plan File: IN_Training_Example.mmp *State:* Indiana *Init. File Rev:* 12/16/2013
Plan Folder: C:\Program Files (x86)\USDA\MMP 0.33\Samples *Soils File Rev:* 12/5/2013

Field	Soil Test P	Application Limit
Field 6	160 ppm	Crop P_2O_5 Removal

Indiana Offsite Risk Index

Operation: Good Guy Enterprises *County:* Tippecanoe *Plan Saved:* 8/10/2007
Plan File: IN_Training_Example.mmp *State:* Indiana *Init. File Rev:* 12/16/2013
Plan Folder: C:\Program Files (x86)\USDA\MMP 0.33\Samples *Soils File Rev:* 12/5/2013

Field	Soil Test P	Application Limit
Field 1	75 ppm	1.5 x Crop P_2O_5 Removal

Indiana Offsite Risk Index

Operation: Good Guy Enterprises *County:* Tippecanoe *Plan Saved:* 8/10/2007
Plan File: IN_Training_Example.mmp *State:* Indiana *Init. File Rev:* 12/16/2013
Plan Folder: C:\Program Files (x86)\USDA\MMP 0.33\Samples *Soils File Rev:* 12/5/2013

Field	Soil Test P	Application Limit
Field 5	215 ppm	No P Application

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Storage ID	Storage Type (Storage Info...)	Units	Pumpable Or Spreadable Capacity (Calc...)	Manure On Hand At Start Of Plan	Notes
»	Farrow pit	Underfloor liquid storage	Gal	90,000	75,000	60 square feet/litter, 4 feet deep
	Nursery pit	Underfloor liquid storage	Gal	65,000	50,000	2.5 square feet/pig, 8 feet deep
	Grow-finish pit	Underfloor liquid storage	Gal	725,000	580,000	8 square feet/pig, 8 feet deep
	Breeding-gest pit	Underfloor liquid storage	Gal	100,000	80,000	22 square feet/pig, 4 feet deep

Preview

Information About Storage Types

State: Indiana ***Init. File Rev:*** 12/16/2013

Storage Type	*% N Lost In Handling & Storage*[1]	*% Org. N Mineralized First Year*[2]	*Water Dilution Factor*[3]	*Source Of Storage N Data*
Daily scrape & haul (solid)	25	35	1	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Manure pack	30	35	1	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Open lot	50	35	1	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Dry stack	25	35	1	Adapted from "Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Underfloor dry storage	35	60	0.5	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Litter	35	60	0.5	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Daily scrape & haul (liquid)	25	35	1	Adapted from "Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Underfloor liquid storage	20	35	1	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Outside prefab liquid storage	20	35	1.2	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Earthen storage	30	35	1.4	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Lagoon, 1 stage	75	35	2.5	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Lagoon, 2 stage	80	35	2.5	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Lagoon, 3 stage	80	35	2.5	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993
Washwater	75	35	6	"Livestock Waste Facilities Handbook," MWPS-18, Third Edition, 1993

Notes

[1] Percentage of manure's total nitrogen that is typically lost between excretion and application. Used in estimating manure N analysis.

[2] Percentage of manure organic nitrogen that is typically mineralized in the first year following application, without accounting for losses due to application method and timing. Used to calculate the Max. Avail. N columns on the Analysis panel. For the specific guidelines used to calculate as-applied nitrogen availability, refer to Draft joint NRCS-IDEM-Extension publication on determining manure nutrient availability.
See also the Avail N As Applied column on the Nutrient Mgmt panel.

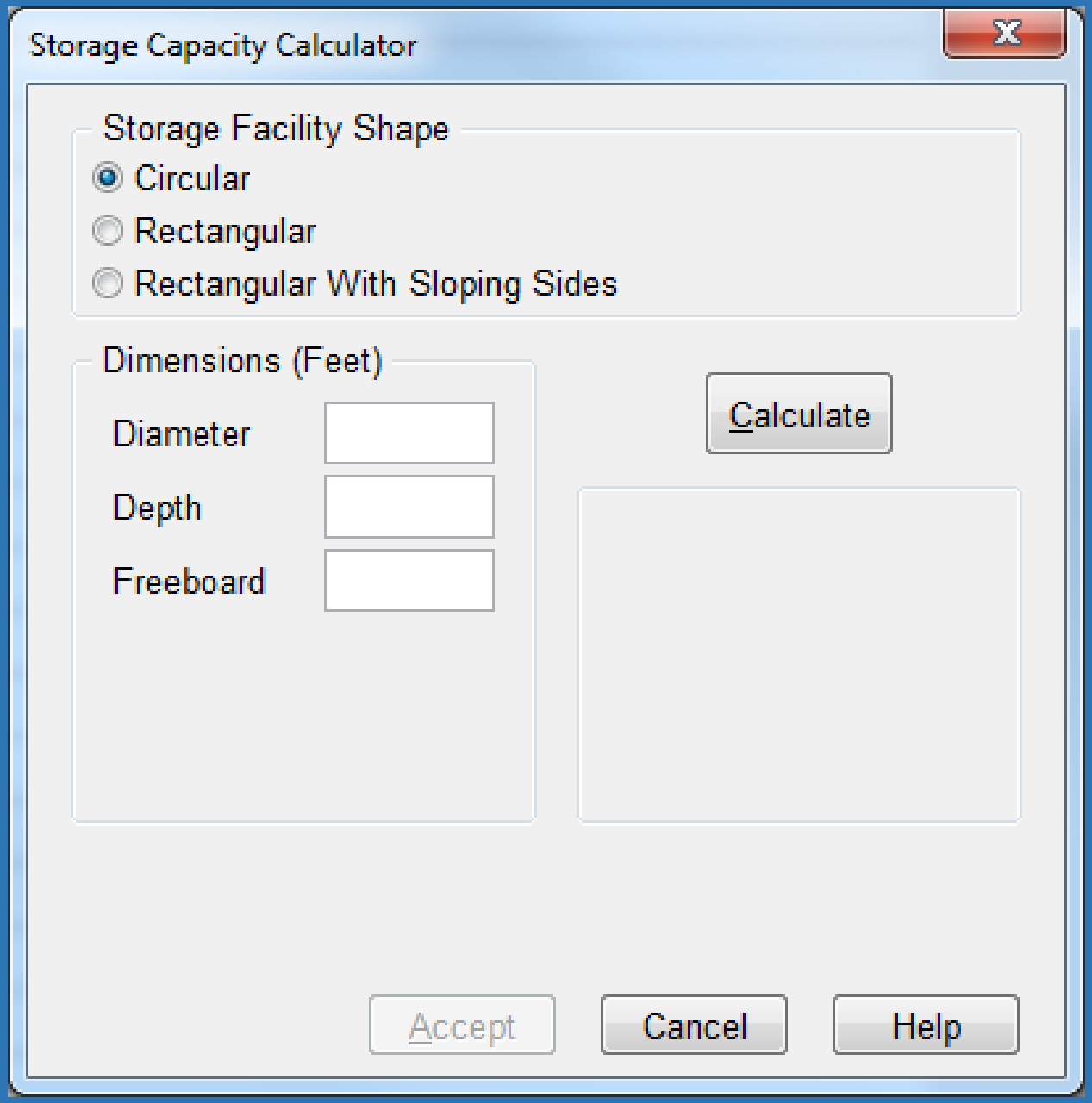
[3] Values greater than 1 are dilution factors used in estimating annual manure volume to account for rainfall and runoff. Values less than 1 are drydown factors used in estimating annual manure production to account for water loss. Enter your own amount in the Measured Manure Production column on the Analysis panel to override the program estimate of annual manure production. The "Washwater" storage can be used to dilute a portion of an animal group's manure if the amount of daily wash water is not known.

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Storage ID	Storage Type (Storage Info...)	Units	Pumpable Or Spreadable Capacity (Calc...)	Manure On Hand At Start Of Plan	Notes
»	Farrow pit	Underfloor liquid storage	Gal	90,000	75,000	60 square feet/litter, 4 feet deep
	Nursery pit		Gal	65,000	50,000	2.5 square feet/pig, 8 feet deep
	Grow-finish pit		Gal	725,000	580,000	8 square feet/pig, 8 feet deep
	Breeding-gest pit		Gal	100,000	80,000	22 square feet/pig, 4 feet deep

(None)
Daily scrape & haul (solid)
Manure pack
Open lot
Dry stack
Underfloor dry storage
Litter
Daily scrape & haul (liquid)
Underfloor liquid storage
Outside prefab liquid storage
Earthen storage
Lagoon, 1 stage
Lagoon, 2 stage
Lagoon, 3 stage
Washwater


Storage Capacity Calculator
Storage Facility Shape
Circular
Rectangular
Rectangular With Sloping Sides
Dimensions (Feet)
Diameter
Depth
Freeboard
Calculate
Accept
Cancel
Help

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

Animal Info...

Animal Group ID	Animal Type And Production Phase	Average Weight (Lb)	Number Of Animals	Animals Present From	Animals Present Through	Manure Collected (%)	Extra Water (Gal/Animal /Day)	Bedding (Lb/Animal /Day)	Where Will Manure Be Stored?
» Farrowing pigs	Sow & litter	375	50	Jan Early	Dec Late	100			Farrow pit
Nursery pigs	Nursery pig	35	430	Jan Early	Dec Late	100			Nursery pit
Grow-finish pigs	Grow-finish pig	160	1,500	Jan Early	Dec Late	100			Grow-finish pit
Breeder pigs	Gestating sow	275	150	Jan Early	Dec Late	100			Breeding-gest pit

Preview

Information About Animal Types

State: Indiana **Init. File Rev:** 12/16/2013

Animal Type	Daily Manure Lb/AU[1]	Daily Manure Gal/AU	Daily Total N Lb/AU	Daily P_2O_5 Lb/AU	Daily K_2O Lb/AU	NH_4-N Solid %Tot N	NH_4-N Liquid %Tot N	Water Dilution Factor[2]	Source Of Daily Excretion Data
Sow & litter	60	7.2	0.48	0.35	0.37	56	48	1.4	"Manure Characteristics," MWPS-18 Section 1, 2000
Nursery pig	108	12	0.8	0.4	0.4	33	67	1.5	"Manure Characteristics," MWPS-18 Section 1, 2000
Grow-finish pig	63.3	8	0.53	0.33	0.27	35	68	1.25	"Manure Characteristics," MWPS-18 Section 1, 2000
Wean-to-finish pig	74.5	9	0.6	0.35	0.3	35	68	1.3	"Manure Characteristics," MWPS-18 Section 1, 2000
Gestating sow	27.3	3.3	0.18	0.15	0.15	56	48	1.3	"Manure Characteristics," MWPS-18 Section 1, 2000
Boar	20.6	2.6	0.14	0.11	0.11	35	68	1.2	"Manure Characteristics," MWPS-18 Section 1, 2000
Calf (dairy)	84	9.6	0.32	0.08	0.28	20	21	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Weaned heifer/steer (dairy)	86.7	10.4	0.31	0.09	0.29	20	19	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Growing heifer/steer (dairy)	86.7	10.4	0.31	0.09	0.29	20	19	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Breeding heifer (dairy)	86.7	10.4	0.31	0.09	0.29	20	19	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Milk cow (dairy)	106	12.7	0.58	0.3	0.31	20	20	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Dry cow (dairy)	82	9.7	0.36	0.11	0.28	20	20	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Veal calf	36	4.4	0.16	0.12	0.24	60	82	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Suckling calf (beef)	57.8	6.9	0.31	0.22	0.24	34	31	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Weaned calf (beef)	83.6	10	0.55	0.19	0.33	34	31	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Growing steer (beef)	83.6	10	0.55	0.19	0.33	37	27	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Finishing steer (beef)	72.7	8.6	0.49	0.19	0.29	37	27	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Brood cow/heifer (beef)	63	7.5	0.31	0.19	0.26	43	35	1.05	"Manure Characteristics," MWPS-18 Section 1, 2000
Sheep	40	4	0.4	0.2	0.4	28	28	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000
Horse	50	6	0.28	0.11	0.23	29	29	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000
Broiler	90	10.5	1.15	0.7	0.55	27	21	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000
Layer	65	7.8	0.88	0.68	0.4	35	65	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000
Turkey tom	45	5.4	0.63	0.54	0.27	20	30	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000
Turkey hen	45	5.4	0.63	0.54	0.27	20	34	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000
Duck	55	6.7	0.77	0.63	0.47	36	53	1.0	"Manure Characteristics," MWPS-18 Section 1, 2000

Notes

[1] One animal unit (AU) = 1000 Lb of live weight.

[2] Dilution factor used in estimating annual manure volume to account for inherent spillage of water. Does not account for any wash or flush water added to manure.

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

Animal Group ID	Animal Type And Production Phase (Animal Info...)	Average Weight (Lb)	Number Of Animals	Animals Present From	Animals Present Through	Manure Collected (%)	Extra Water (Gal/Animal /Day)	Bedding (Lb/Animal /Day)	Where Will Manure Be Stored?
Farrowing pigs	Sow & litter	375	50	Jan Early	Dec Late	100			Farrow pit
Nursery pigs	Sow & litter	35	430	Jan Early	Dec Late	100			Nursery pit
Grow-finish pigs		160	1,500	Jan Early	Dec Late	100			Grow-finish pit
Breeder pigs		275	150	Jan Early	Dec Late	100			Breeding-gest pit

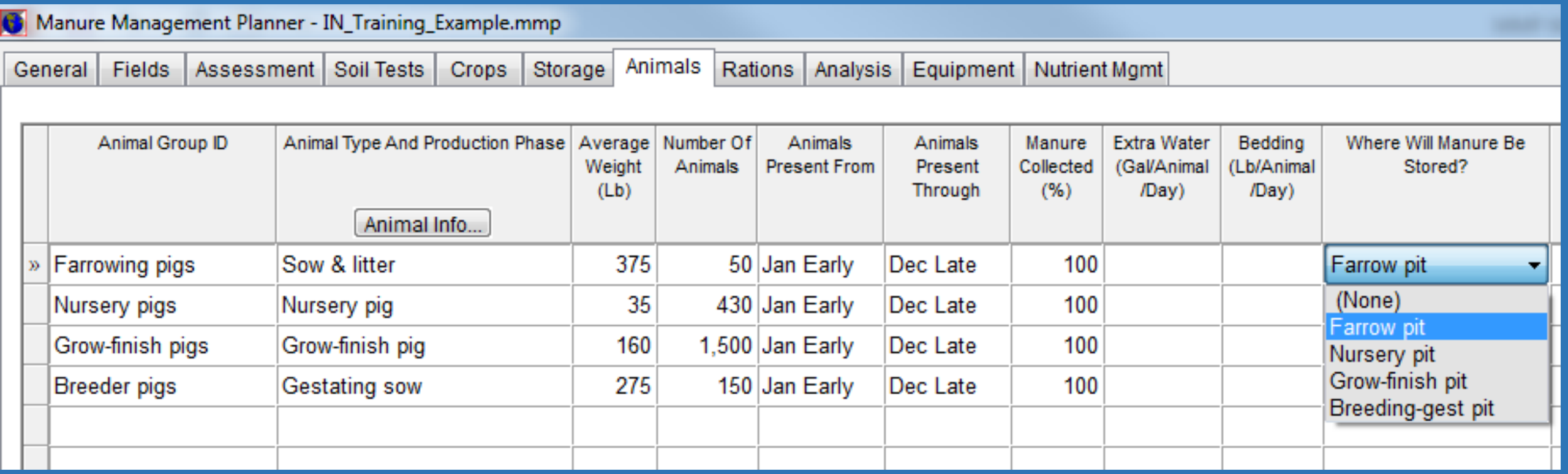
Sow & litter
Nursery pig
Grow-finish pig
Wean-to-finish pig
Gestating sow
Boar
Calf (dairy)
Weaned heifer/steer (dairy
Growing heifer/steer (dairy
Breeding heifer (dairy)
Milk cow (dairy)
Dry cow (dairy)
Veal calf
Suckling calf (beef)
Weaned calf (beef)
Growing steer (beef)
Finishing steer (beef)
Brood cow/heifer (beef)
Sheep
Horse

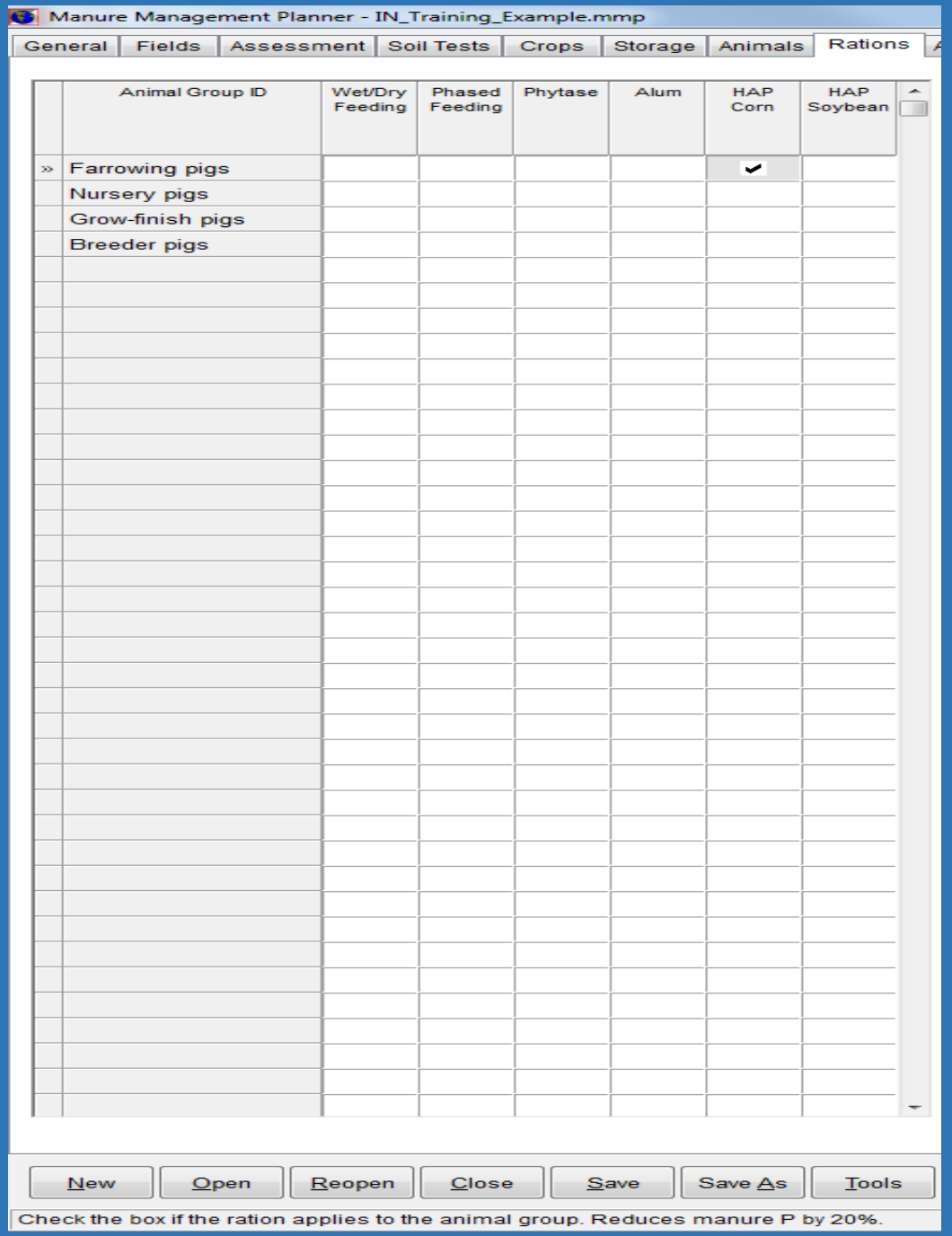
Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Animal Group ID	Animal Type And Production Phase (Animal Info...)	Average Weight (Lb)	Number Of Animals	Animals Present From	Animals Present Through	Manure Collected (%)	Extra Water (Gal/Animal /Day)	Bedding (Lb/Animal /Day)	Where Will Manure Be Stored?
»	Farrowing pigs	Sow & litter	375	50	Jan Early	Dec Late	100			Farrow pit
	Nursery pigs	Nursery pig	35	430		Dec Late	100			Nursery pit
	Grow-finish pigs	Grow-finish pig	160	1,500		Dec Late	100			Grow-finish pit
	Breeder pigs	Gestating sow	275	150		Dec Late	100			Breeding-gest pit

Animals Present From dropdown:
(None)
Jan Early
Jan Late
Feb Early
Feb Late
Mar Early
Mar Late
Apr Early
Apr Late
May Early
May Late
Jun Early
Jun Late
Jul Early
Jul Late
Aug Early
Aug Late
Sep Early
Sep Late
Oct Early
Oct Late
Nov Early
Nov Late
Dec Early
Dec Late


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Animals
Rations
Analysis
Equipment
Nutrient Mgmt
Animal Group ID
Animal Type And Production Phase
Animal Info...
Average Weight (Lb)
Number Of Animals
Animals Present From
Animals Present Through
Manure Collected (%)
Extra Water (Gal/Animal /Day)
Bedding (Lb/Animal /Day)
Where Will Manure Be Stored?
Farrowing pigs
Sow & litter
375
50
Jan Early
Dec Late
100
Farrow pit
Nursery pigs
Nursery pig
35
430
Jan Early
Dec Late
100
Grow-finish pigs
Grow-finish pig
160
1,500
Jan Early
Dec Late
100
Breeder pigs
Gestating sow
275
150
Jan Early
Dec Late
100
(None)
Farrow pit
Nursery pit
Grow-finish pit
Breeding-gest pit


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Animals
Rations
Animal Group ID
Wet/Dry Feeding
Phased Feeding
Phytase
Alum
HAP Corn
HAP Soybean
Farrowing pigs
Nursery pigs
Grow-finish pigs
Breeder pigs
New
Open
Reopen
Close
Save
Save As
Tools
Check the box if the ration applies to the animal group. Reduces manure P by 20%.

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Storage ID	Esti-mated Total N	Est. NH4-N	Est. Total P2O5	Est. Total K2O	Est. Max. Avail. N	Est. Avail. P2O5	Est. Avail. K2O	Analysis Units	Estimated Manure Production	Production Units	Meas-ured Total N	Meas. NH4-N	Meas. Total P2O5	Meas. Total K2O	Meas. Max. Avail. N	Meas. Avail. P2O5	Meas. Avail. K2O	Analysis Units	Meas. % Dry Matter	Measured Manure Production	Production Units
»	Farrow pit	38.6	18.6	28.2	37.2	25.6	28.2	37.2	Lb/1000Gal	68,000	Gal/Year								Lb/1000Gal			Gal/Year
	Nursery pit	35.9	24.0	22.4	22.4	28.2	22.4	22.4	Lb/1000Gal	98,000	Gal/Year								Lb/1000Gal			Gal/Year
	Grow-finish pit	42.4	28.8	33.0	27.0	33.6	33.0	27.0	Lb/1000Gal	876,000	Gal/Year								Lb/1000Gal			Gal/Year
	Breeding-gest pit	33.4	16.0	34.7	34.7	22.1	34.7	34.7	Lb/1000Gal	65,000	Gal/Year								Lb/1000Gal			Gal/Year

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

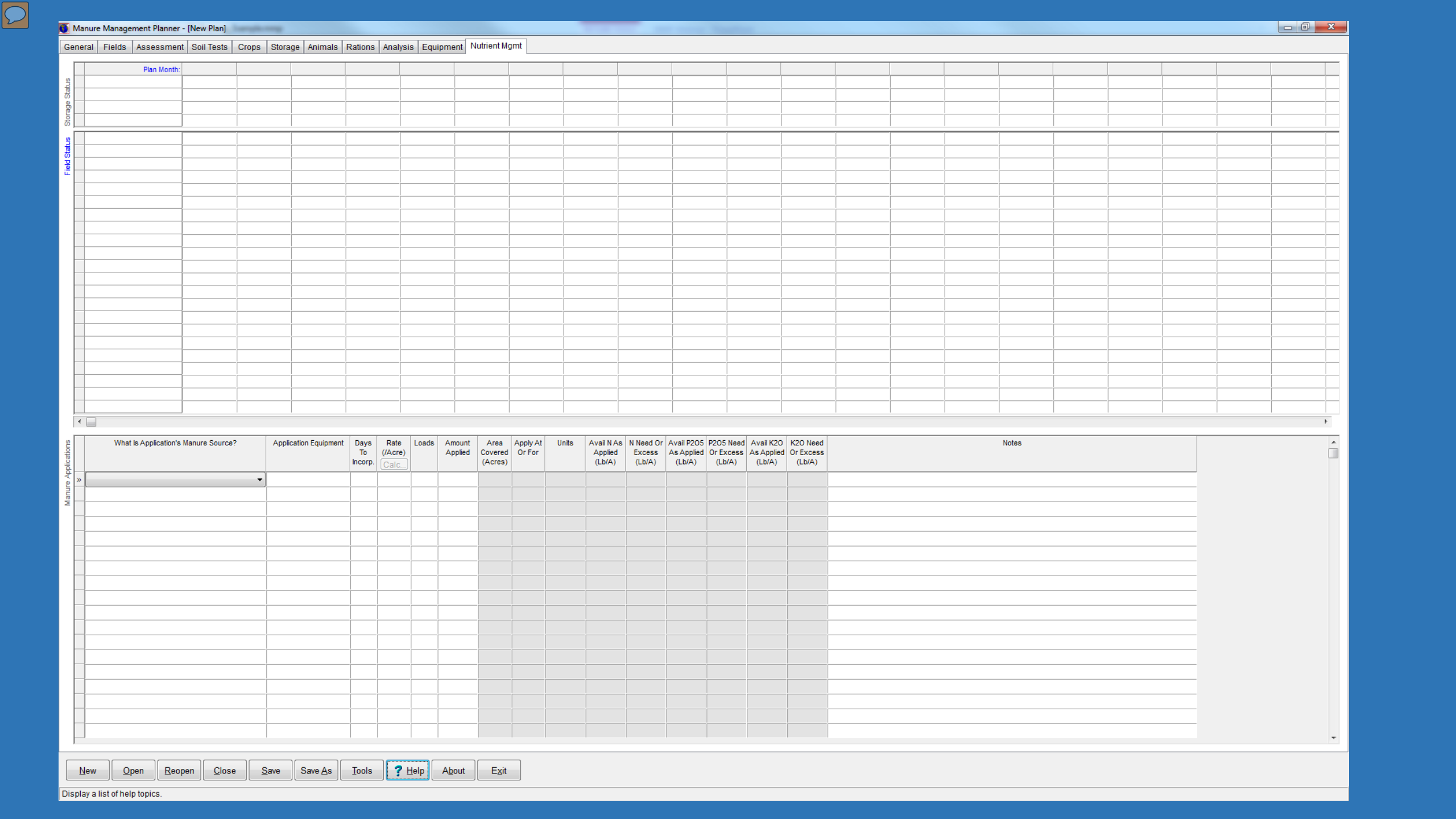
	Equipment ID	Spreader Or Applicator Type	Spreader Or Pump Capacity	Capacity Units	Minimum Application Rate	Rate Units	Application Width Or Area	Width Or Area Units
»	Tanker inject	Liquid spreader, injected	2,750	Gal	3,500	Gal/A	10	Feet
	Tanker surface	Liquid spreader, surface spray	2,750	Gal	1,500	Gal/A	25	Feet

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

	Equipment ID	Spreader Or Applicator Type	Spreader Or Pump Capacity	Capacity Units	Minimum Application Rate	Rate Units	Application Width Or Area	Width Or Area Units
»	Tanker inject	Liquid spreader, injected	2,750	Gal	3,500	Gal/A	10	Feet
	Tanker surface		2,750	Gal	1,500	Gal/A	25	Feet

(None)
Solid spreader
Liquid spreader, injected
Liquid spreader, surface spray
Liquid spreader, knives up
Hose pull, injected
Hose pull, knives up
Traveling gun
Standing pipe
Center pivot


Manure Management Planner - [New Plan]
General
Fields
Assessment
Soil Tests
Crops
Storage
Animals
Rations
Analysis
Equipment
Nutrient Mgmt
Plan Month:
Storage Status
Field Status
Manure Applications
What Is Application's Manure Source?
Application Equipment
Days To Incorp.
Rate (/Acre)
Calc...
Loads
Amount Applied
Area Covered (Acres)
Apply At Or For
Units
Avail N As Applied (Lb/A)
N Need Or Excess (Lb/A)
Avail P2O5 As Applied (Lb/A)
P2O5 Need Or Excess (Lb/A)
Avail K2O As Applied (Lb/A)
K2O Need Or Excess (Lb/A)
Notes
New
Open
Reopen
Close
Save
Save As
Tools
Help
About
Exit
Display a list of help topics.

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

Storage Status

Plan Month:	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Jan 2001	Feb 2001	Mar 2001	Apr 2001	May 2001	Jun 2001	Jul 2001	Aug 2001	Sep 2001	Oct 2001	Nov 2001	Dec 2001	Jan 2002	Feb 2002	Mar 2002
» Farrow pit	80,700	86,400	1,350	7,050	12,750	18,450	24,150	29,850	35,550	41,250	46,950	52,650	58,350	64,050	1,000	6,700	12,400	18,100	23,800	29,500	35,200
Nursery pit	450	8,650	16,850	25,050	3,000	11,200	19,400	27,600	35,800	44,000	52,200	60,400	10,850	19,050	27,250	35,450	2,400	10,600	18,800	27,000	35,200
Grow-finish pit	526,500	599,500	639,500	470,500	293,250	135,250	208,250	281,250	354,250	427,250	500,250	573,250	503,250	576,250	608,000	378,500	77,500	150,500	223,500	296,500	369,500
Breeding-gest pit	85,400	90,800	96,200	5,350	10,750	16,150	21,550	26,950	32,350	37,750	43,150	48,550	53,950	59,350	64,750	70,150	23,300	28,700	34,100	39,500	44,900

Field Status

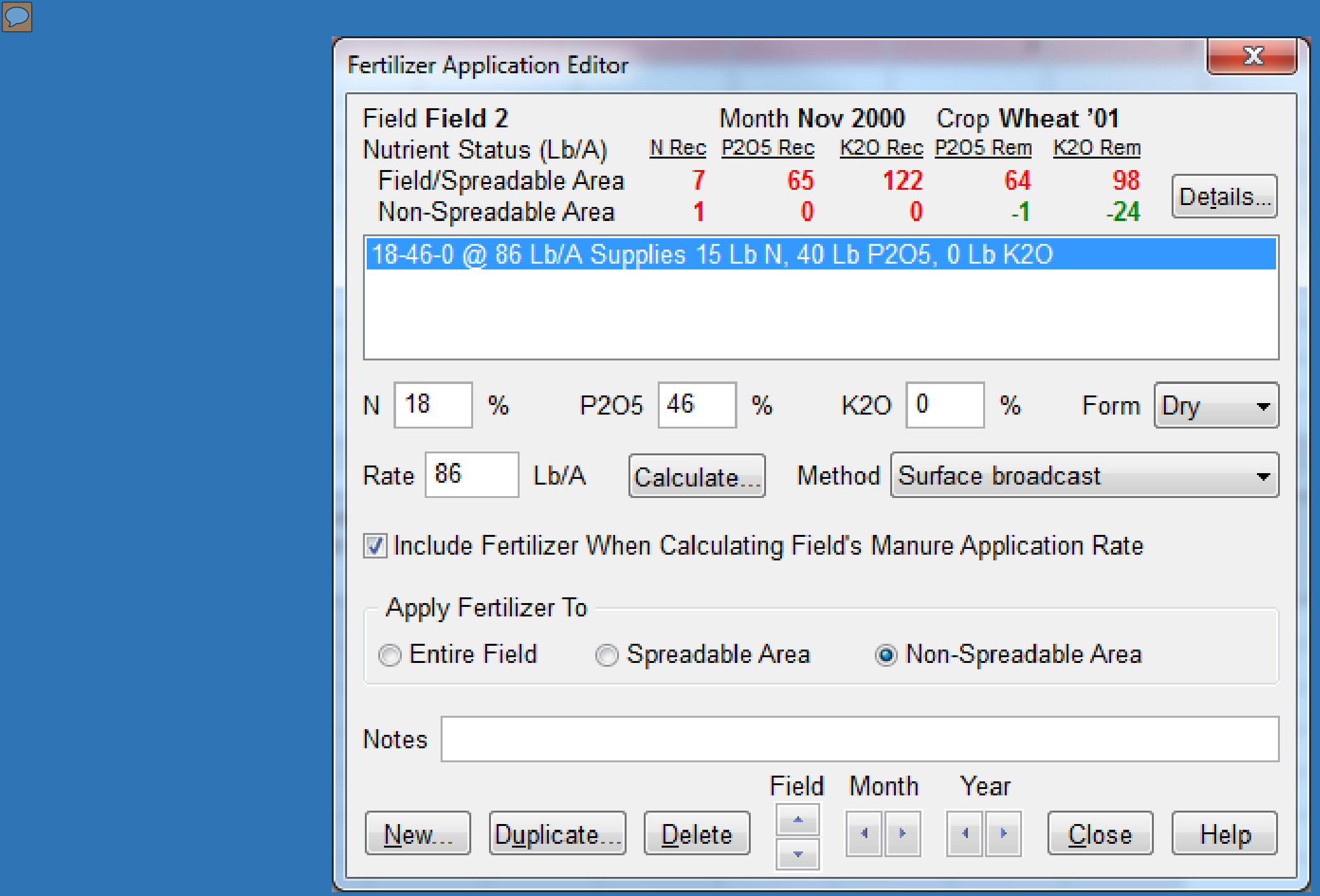
»	Field 1	33.4 / 33.4										F	F									
	Field 2			34.8 / 34.8		F					F			34.8 / 34.8				F					
	Field 3				34.4 / 34.4							F	F										
	Field 4						31.3 / 31.3									31.3 / 31.3		F					F
	Field 5											F	F										
	Field 6					18.5 / 18.5						F	F										
	Field 7																	16.4 / 16.4					
	Field 8						17 / 17										17 / 17						
	Field 9				22.4 / 22.4	F						F	F					22.4 / 22.4					
	Field 10					28.1 / 28.1 F						F	F					28.1 / 28.1					
	Field 11											F	F										
	Field 12					17.6 / 17.6						F	F										
	Field 13																	14.6 / 14.6					
	Field 14																13.9 / 13.9						
	Field 15																27.7 / 27.7						
	Field 16																	26.3 / 26.3					

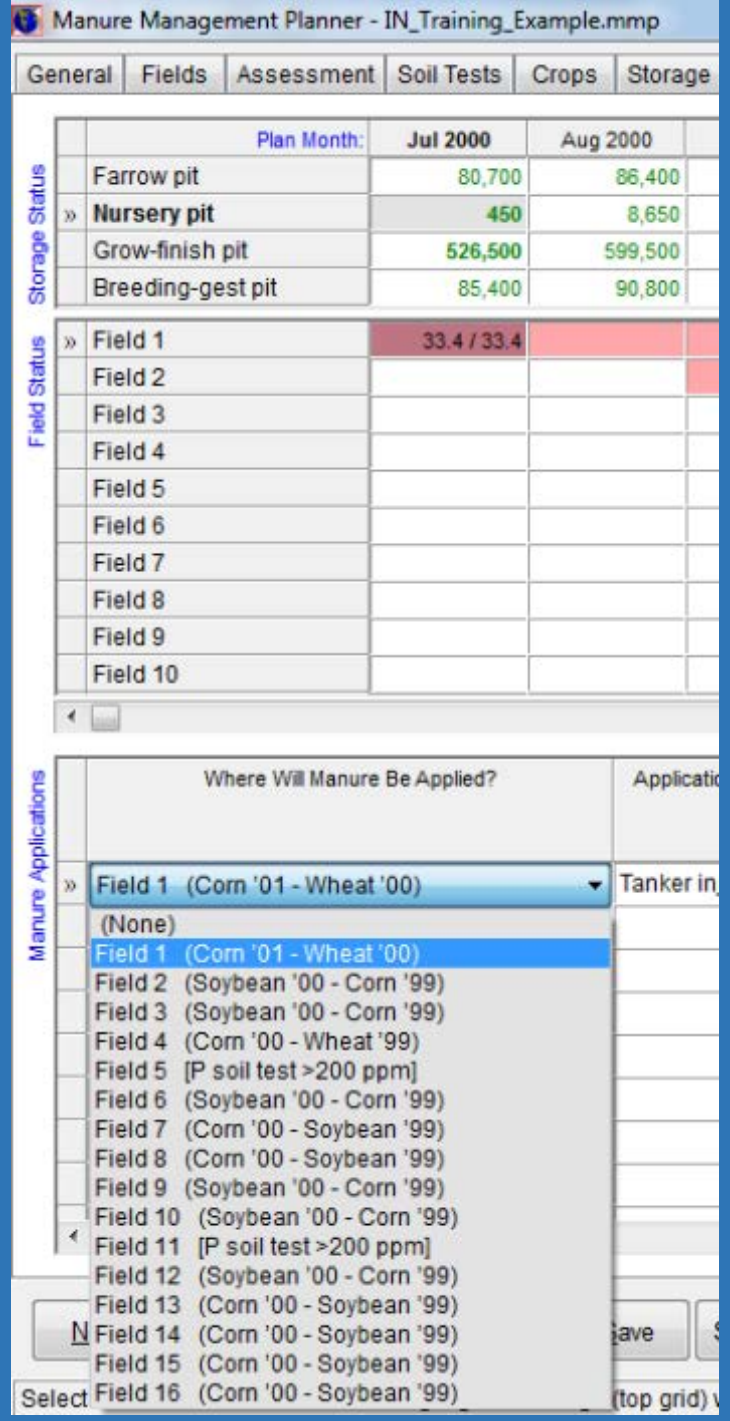
Manure Applications

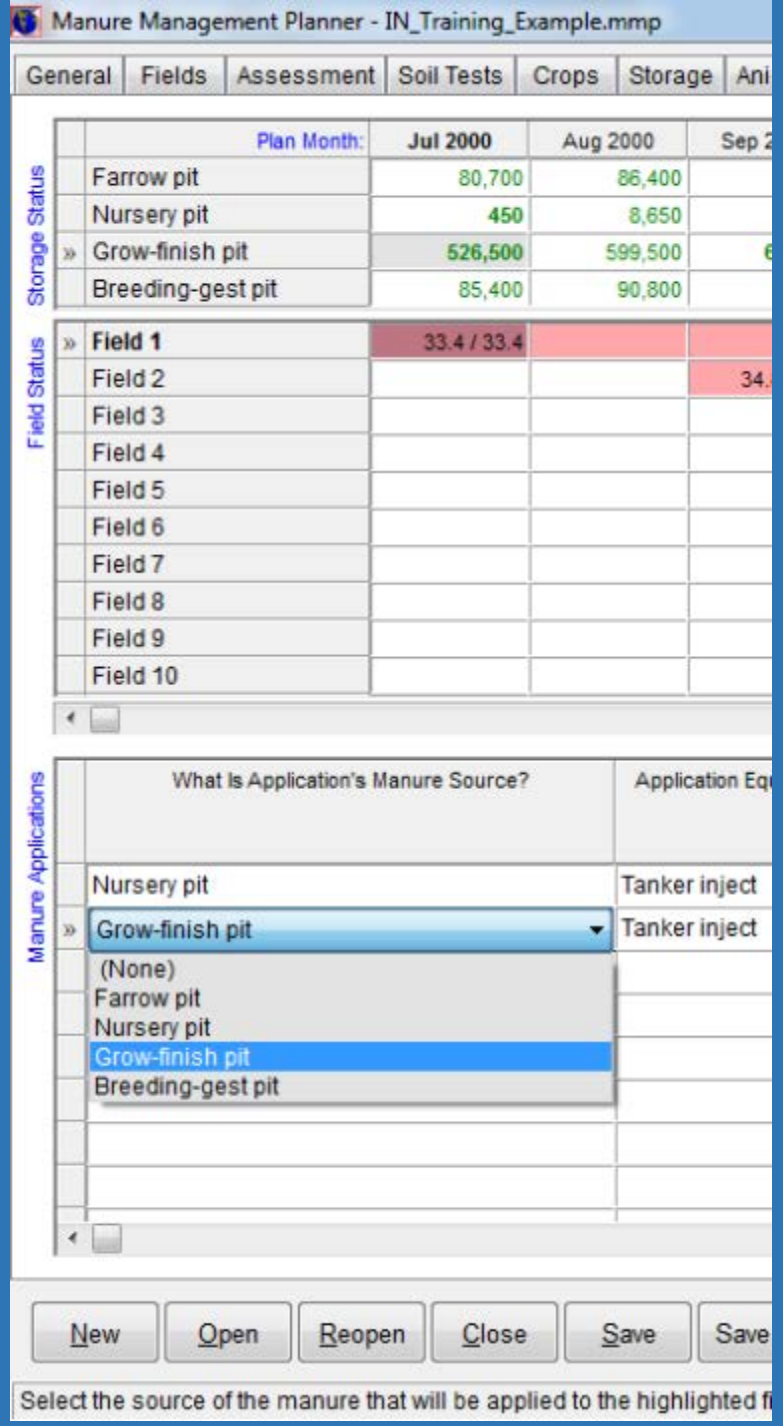
	Where Will Manure Be Applied?	Application Equipment	Days To Incorp.	Rate (/Acre) Calc...	Loads	Amount Applied	Area Covered (Acres)	Apply At Or For	Units	Avail N As Applied (Lb/A)	N Need Or Excess (Lb/A)	Avail P2O5 As Applied (Lb/A)	P2O5 Need Or Excess (Lb/A)	Avail K2O As Applied (Lb/A)	K2O Need Or Excess (Lb/A)
»	Field 1 (Corn '01 - Wheat '00)	Tanker inject		6,500	21	57,750	8.9	1,840	Feet/Load	125	-95	146	146	146	146

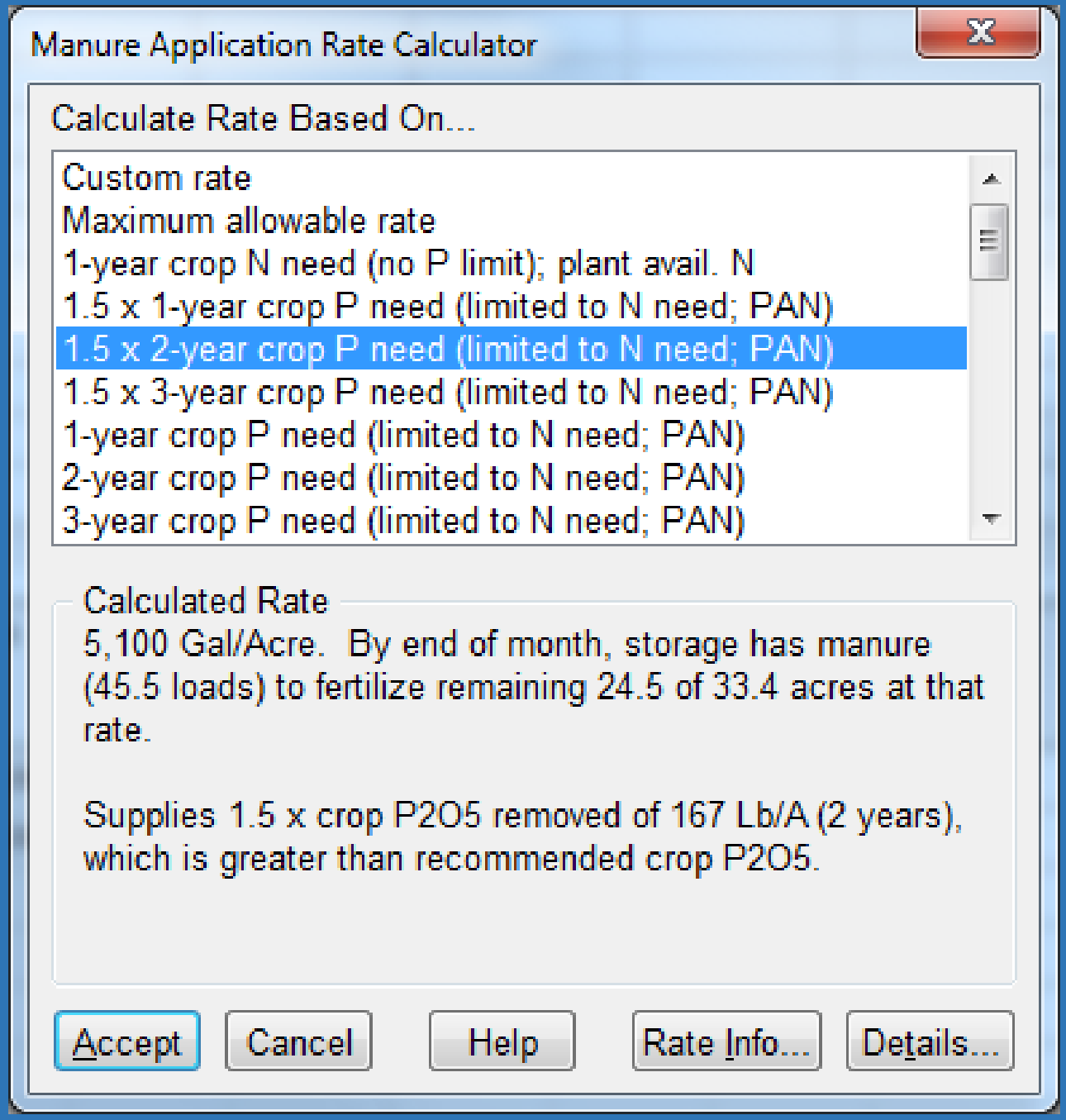
New | Open | Reopen | Close | Save | Save As | Tools | Help | About | Exit

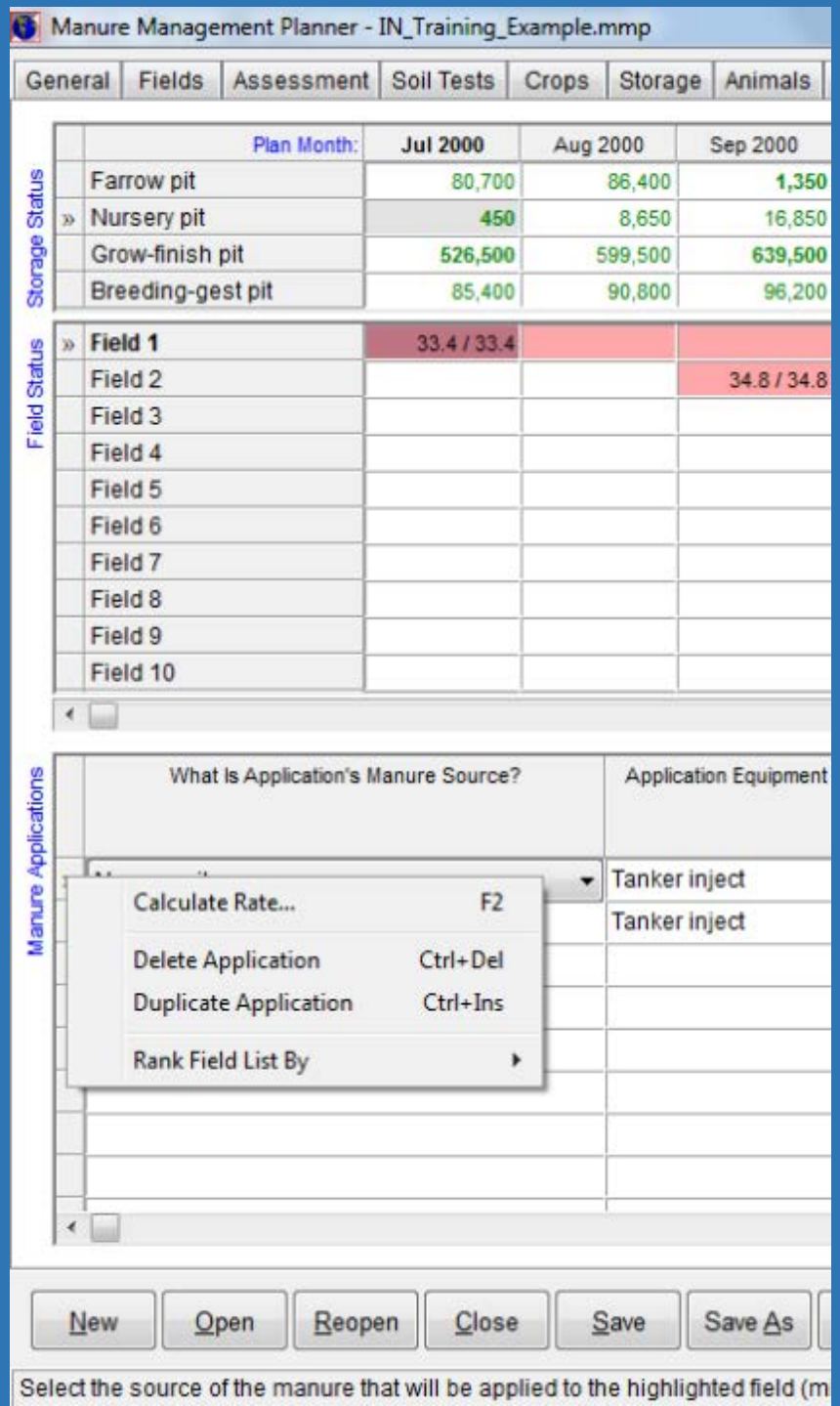
Amount of manure remaining in storage after this month's manure applications (bottom grid) and transfers (press F2 to transfer manure).

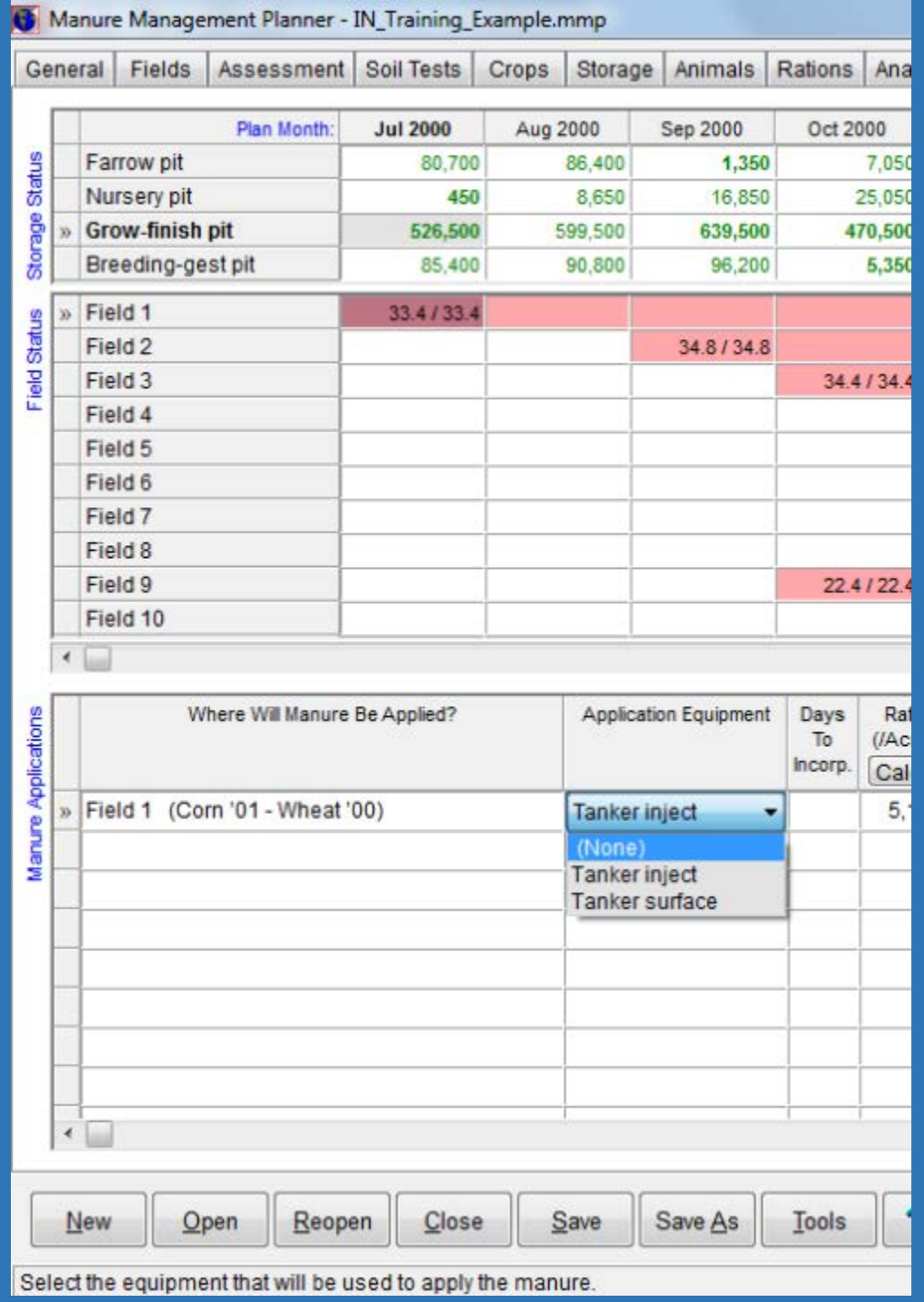

Fertilizer Application Editor
Field Field 2
Month Nov 2000
Crop Wheat '01
Nutrient Status (Lb/A)
N Rec
P2O5 Rec
K2O Rec
P2O5 Rem
K2O Rem
Field/Spreadable Area
7
65
122
64
98
Non-Spreadable Area
1
0
0
-1
-24
Details...
18-46-0 @ 86 Lb/A Supplies 15 Lb N, 40 Lb P2O5, 0 Lb K2O
N
18
%
P2O5
46
%
K2O
0
%
Form
Dry
Rate
86
Lb/A
Calculate...
Method
Surface broadcast
Include Fertilizer When Calculating Field's Manure Application Rate
Apply Fertilizer To
Entire Field
Spreadable Area
Non-Spreadable Area
Notes
Field
Month
Year
New...
Duplicate...
Delete
Close
Help


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Storage Status
Plan Month:
Jul 2000
Aug 2000
Farrow pit
80,700
86,400
Nursery pit
450
8,650
Grow-finish pit
526,500
599,500
Breeding-gest pit
85,400
90,800
Field Status
Field 1
33.4 / 33.4
Field 2
Field 3
Field 4
Field 5
Field 6
Field 7
Field 8
Field 9
Field 10
Manure Applications
Where Will Manure Be Applied?
Applicati
Field 1 (Corn '01 - Wheat '00)
Tanker in
(None)
Field 1 (Corn '01 - Wheat '00)
Field 2 (Soybean '00 - Corn '99)
Field 3 (Soybean '00 - Corn '99)
Field 4 (Corn '00 - Wheat '99)
Field 5 [P soil test >200 ppm]
Field 6 (Soybean '00 - Corn '99)
Field 7 (Corn '00 - Soybean '99)
Field 8 (Corn '00 - Soybean '99)
Field 9 (Soybean '00 - Corn '99)
Field 10 (Soybean '00 - Corn '99)
Field 11 [P soil test >200 ppm]
Field 12 (Soybean '00 - Corn '99)
Field 13 (Corn '00 - Soybean '99)
Field 14 (Corn '00 - Soybean '99)
Field 15 (Corn '00 - Soybean '99)
Field 16 (Corn '00 - Soybean '99)
Select
(top grid)


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Ani
Storage Status
Plan Month:
Jul 2000
Aug 2000
Sep 2
Farrow pit
80,700
86,400
Nursery pit
450
8,650
Grow-finish pit
526,500
599,500
Breeding-gest pit
85,400
90,800
Field Status
Field 1
33.4 / 33.4
Field 2
Field 3
Field 4
Field 5
Field 6
Field 7
Field 8
Field 9
Field 10
Manure Applications
What Is Application's Manure Source?
Application Eq
Nursery pit
Tanker inject
Grow-finish pit
Tanker inject
(None)
Farrow pit
Nursery pit
Grow-finish pit
Breeding-gest pit
New
Open
Reopen
Close
Save
Save
Select the source of the manure that will be applied to the highlighted fi


Manure Application Rate Calculator
Calculate Rate Based On...
Custom rate
Maximum allowable rate
1-year crop N need (no P limit); plant avail. N
1.5 x 1-year crop P need (limited to N need; PAN)
1.5 x 2-year crop P need (limited to N need; PAN)
1.5 x 3-year crop P need (limited to N need; PAN)
1-year crop P need (limited to N need; PAN)
2-year crop P need (limited to N need; PAN)
3-year crop P need (limited to N need; PAN)
Calculated Rate
5,100 Gal/Acre. By end of month, storage has manure (45.5 loads) to fertilize remaining 24.5 of 33.4 acres at that rate.
Supplies 1.5 x crop P2O5 removed of 167 Lb/A (2 years), which is greater than recommended crop P2O5.
Accept
Cancel
Help
Rate Info...
Details...


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Animals
Storage Status
Plan Month:
Jul 2000
Aug 2000
Sep 2000
Farrow pit
80,700
86,400
1,350
Nursery pit
450
8,650
16,850
Grow-finish pit
526,500
599,500
639,500
Breeding-gest pit
85,400
90,800
96,200
Field Status
Field 1
33.4 / 33.4
Field 2
34.8 / 34.8
Field 3
Field 4
Field 5
Field 6
Field 7
Field 8
Field 9
Field 10
Manure Applications
What Is Application's Manure Source?
Application Equipment
Tanker inject
Tanker inject
Calculate Rate... F2
Delete Application Ctrl+Del
Duplicate Application Ctrl+Ins
Rank Field List By
New
Open
Reopen
Close
Save
Save As
Select the source of the manure that will be applied to the highlighted field (m


Manure Management Planner - IN_Training_Example.mmp
General
Fields
Assessment
Soil Tests
Crops
Storage
Animals
Rations
Storage Status
Plan Month:
Jul 2000
Aug 2000
Sep 2000
Oct 2000
Farrow pit
80,700
86,400
1,350
7,050
Nursery pit
450
8,650
16,850
25,050
Grow-finish pit
526,500
599,500
639,500
470,500
Breeding-gest pit
85,400
90,800
96,200
5,350
Field Status
Field 1
33.4 / 33.4
Field 2
34.8 / 34.8
Field 3
34.4 / 34.4
Field 4
Field 5
Field 6
Field 7
Field 8
Field 9
22.4 / 22.4
Field 10
Manure Applications
Where Will Manure Be Applied?
Application Equipment
Days To Incorp.
Rat (/Ac
Cal
Field 1 (Corn '01 - Wheat '00)
Tanker inject
(None)
Tanker inject
Tanker surface
5,
New
Open
Reopen
Close
Save
Save As
Tools
Select the equipment that will be used to apply the manure.

Manure Management Planner - IN_Training_Example.mmp

General | Fields | Assessment | Soil Tests | Crops | Storage | Animals | Rations | Analysis | Equipment | Nutrient Mgmt

Storage Status

Plan Month:	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Jan 2001	Feb 2001	Mar 2001	Apr 2001	May 2001	Jun 2001
Farrow pit	80,700	86,400	**1,350**	7,050	12,750	18,450	24,150	29,850	35,550	41,250	46,950	52,650
» Nursery pit	**450**	8,650	16,850	25,050	**3,000**	11,200	19,400	27,600	35,800	44,000	52,200	60,400
Grow-finish pit	**526,500**	599,500	**639,500**	**470,500**	**293,250**	**135,250**	208,250	281,250	354,250	427,250	500,250	573,250
Breeding-gest pit	85,400	90,800	96,200	**5,350**	10,750	16,150	21,550	26,950	32,350	37,750	43,150	48,550

Field Status

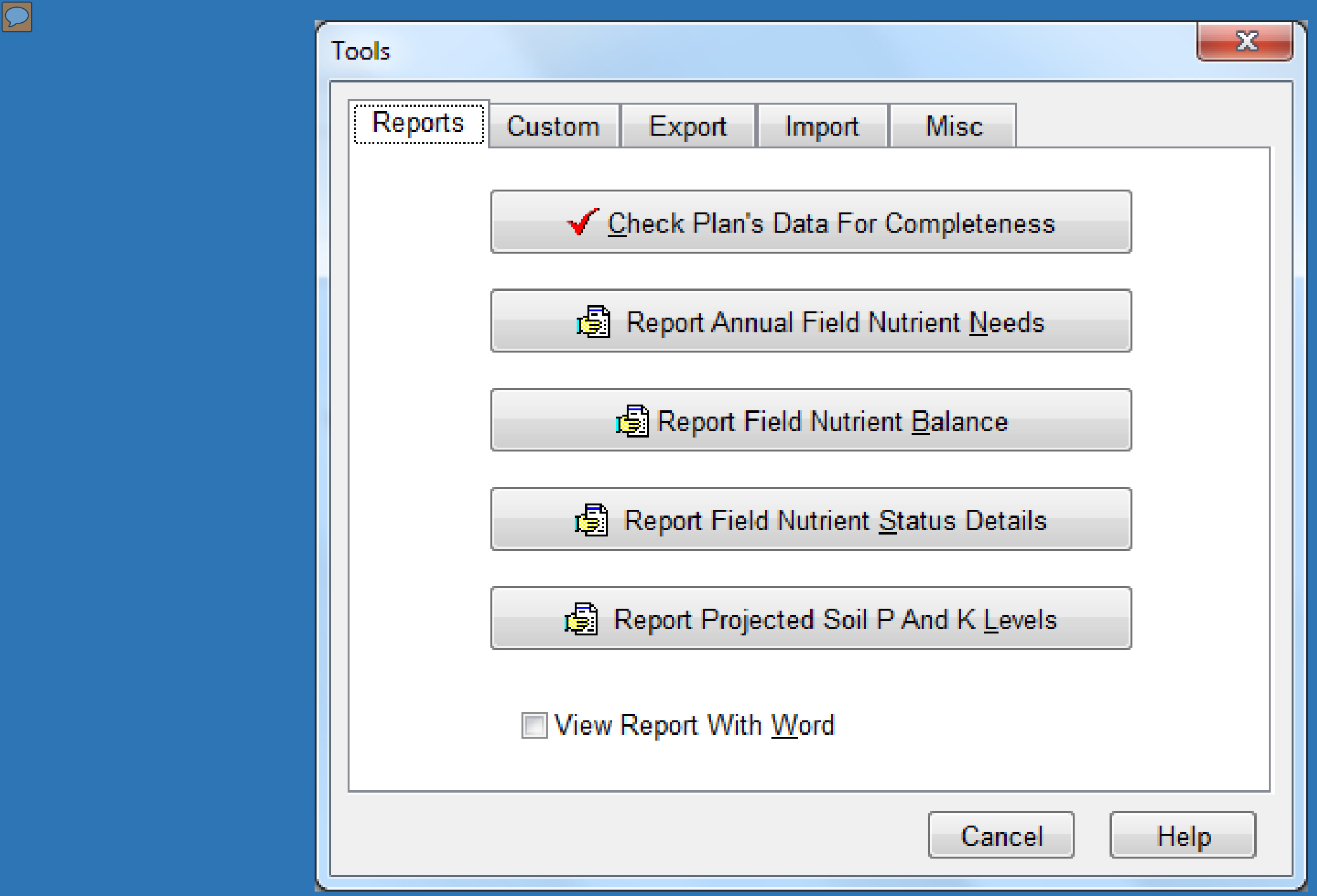
	Jul 2000	Aug 2000	Sep 2000	Oct 2000	Nov 2000	Dec 2000	Jan 2001	Feb 2001	Mar 2001	Apr 2001	May 2001	Jun 2001
» **Field 1**	33.4 / 33.4										F	F
Field 2			34.8 / 34.8		F				F			
Field 3				34.4 / 34.4							F	F
Field 4						31.3 / 31.3						
Field 5											F	F
Field 6					18.5 / 18.5						F	F
Field 7												
Field 8						17 / 17						
Field 9				22.4 / 22.4	F						F	F
Field 10					28.1 / 28.1 F						F	F

Manure Applications

What Is Application's Manure Source?	Application Equipment	Days To Incorp.	Rate (/Acre) Calc...	Loads	Amount Applied	Area Covered (Acres)	Apply At Or For	Units	Avail N As Applied (Lb/A)	N Need Or Excess (Lb/A)	Avail P2O5 As Applied (Lb/A)	P2O5 Need Or Excess (Lb/A)	Avail K2O As Applied (Lb/A)	K2O Need Or Excess (Lb/A)
» Nursery pit	Tanker inject		6,500	21	57,750	8.9	1,840	Feet/Load	125	-95	146	146	146	146
Grow-finish pit	Tanker inject		5,100	46	126,500	24.8	2,350	Feet/Load	116	-104	168	168	138	138

New | Open | Reopen | Close | Save | Save As | Tools | Help | About | Exit

Area of field that has been manured after this month's applications (bottom grid) and whether fertilized (press F2 to apply fertilizer).


Tools
Reports
Custom
Export
Import
Misc
Check Plan's Data For Completeness
Report Annual Field Nutrient Needs
Report Field Nutrient Balance
Report Field Nutrient Status Details
Report Projected Soil P And K Levels
View Report With Word
Cancel
Help

Preview

Annual Field Nutrient Needs

Plan File: C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN_Training_Example.mmp **Last Saved:** 8/10/2007
Operation: Good Guy Enterprises **State:** Indiana **Init. File Rev:** 12/16/2013

Year	Field ID	Sub ID	Size	Crop	Yield Goal	N	P_2O_5	K_2O	N	P_2O_5	K_2O
			Acres		/Acre	Lb/Acre	Lb/Acre	Lb/Acre	Lb/Field	Lb/Field	Lb/Field
2001	Field 1		35.9	Corn	180	220	0	0	7,898	0	0
2001	Field 2		40	Wheat	65	65	40	0	2,600	1,600	0
2001	Field 3		35.8	Corn	180	190	0	0	6,802	0	0
2001	Field 4		32.6	Soybean	55	0	0	0	0	0	0
2001	Field 5		19.5	Corn	180	190	0	0	3,705	0	0
2001	Field 6		18.5	Corn	180	190	0	0	3,515	0	0
2001	Field 7		16.4	Soybean	55	0	0	0	0	0	0
2001	Field 8		17	Soybean	55	0	0	0¤	0	0	0
2001	Field 9		24.6	Corn	180	190	65	55	4,674	1,599	1,353
2001	Field 10		32	Corn	180	190	0	65	6,080	0	2,080
2001	Field 11		22.4	Corn	180	190	0	0	4,256	0	0
2001	Field 12		18.3	Corn	180	190	0	0	3,477	0	0
2001	Field 13		16	Soybean	55	0	0	0	0	0	0
2001	Field 14		15	Soybean	55	0	0	0	0	0	0
2001	Field 15		30.9	Soybean	55	0	0	0	0	0	0
2001	Field 16		34.8	Soybean	55	0	0	0	0	0	0
Total			409.7						43,007	3,199	3,433
2002	Field 1		35.9	Soybean	55	0	0	0	0	0	0
2002	Field 2		40	Corn	180	220	35	0	8,800	1,400	0
2002	Field 3		35.8	Soybean	55	0	0	0	0	0	0
2002	Field 4		32.6	Wheat	65	65	35	0	2,119	1,141	0
2002	Field 5		19.5	Soybean	55	0	0	0	0	0	0
2002	Field 6		18.5	Soybean	55	0	0	0	0	0	0
2002	Field 7		16.4	Corn	180	190	0	0	3,116	0	0
2002	Field 8		17	Corn	180	190	0	70	3,230	0	1,190
2002	Field 9		24.6	Soybean	55	0	45	80	0	1,107	1,968
2002	Field 10		32	Soybean	55	0	0	90	0	0	2,880
2002	Field 11		22.4	Soybean	55	0	0	0	0	0	0
2002	Field 12		18.3	Soybean	55	0	0	0	0	0	0
2002	Field 13		16	Corn	180	190	0	0	3,040	0	0

Preview

Field Nutrient Balance

Plan File: C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN_Training_Example.mmp
Last Saved: 8/10/2007
Operation: Good Guy Enterprises
State: Indiana
Init. File Rev: 12/16/2013

Year	Field ID	Sub ID	Size	Crop	Yield Goal	Fertilizer Recs[2]			Nutrients Applied[3]			Balance After Recs[4]			After Removal[5]	
						N	P_2O_5	K_2O	N	P_2O_5	K_2O	N	P_2O_5	K_2O	P_2O_5	K_2O
			Acres[1]		/Acre	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A	Lb/A
2001	Field 1		33.4	Corn	180	220	0	0	220	164	141	0	164	141	97	92
2002	Field 1		33.4	Soybean	55	0	0	0	0	0	0	0	164	141	53	15
2003	Field 1		33.4	Wheat	65	65	0	0	75	121	116	10	285	257	133	107
Total	**Field 1**		**33.4**			**285**	**0**	**0**	**295**	**285**	**257**					
2001	Field 1		2.5	Corn	180	220	0	0	220	0	0	0	0	0	-67	-49
2002	Field 1		2.5	Soybean	55	0	0	0	0	0	0	0	0	0	-44	-77
2003	Field 1		2.5	Wheat	65	65	0	0	66	0	0	1	0	0	-41	-24
Total	**Field 1**		**2.5**			**285**	**0**	**0**	**286**	**0**	**0**					
2001	Field 2		34.8	Wheat	65	65	40	0	72	123	122	7	83	122	82	98
2002	Field 2		34.8	Corn	180	220	35	0	220	173	149	0	221	271	188	198
2003	Field 2		34.8	Soybean	55	0	20	0	127	131	106	0[a]	332	377	275	227
Total	**Field 2**		**34.8**			**285**	**95**	**0**	**419**	**427**	**377**					
2001	Field 2		5.2	Wheat	65	65	40	0	66	40	0	1	0	0	-1	-24
2002	Field 2		5.2	Corn	180	220	35	0	220	55	0	0	20	0	-12	-49
2003	Field 2		5.2	Soybean	55	0	20	0	0	0	0	0	0	0	-44	-77
Total	**Field 2**		**5.2**			**285**	**95**	**0**	**286**	**95**	**0**					
2001	Field 3		34.4	Corn	180	190	0	0	190	168	138	0	168	138	101	89
2002	Field 3		34.4	Soybean	55	0	0	0	0	0	0	0	168	138	57	12
2003	Field 3		34.4	Corn	180	190	0	0	190	168	138	0	336	276	158	101
Total	**Field 3**		**34.4**			**380**	**0**	**0**	**380**	**336**	**276**					
2001	Field 3		1.4	Corn	180	190	0	0	190	0	0	0	0	0	-67	-49
2002	Field 3		1.4	Soybean	55	0	0	0	0	0	0	0	0	0	-44	-77
2003	Field 3		1.4	Corn	180	190	0	0	190	0	0	0	0	0	-67	-49
Total	**Field 3**		**1.4**			**380**	**0**	**0**	**380**	**0**	**0**					

Preview

Field Nutrient Status Details

Plan File: C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN_Training_Example.mmp **Last Saved:** 8/10/2007
Operation: Good Guy Enterprises **State:** Indiana **Init. File Rev:** 12/16/2013

Year	Field ID	Sub ID	Nutrient Needs	Crop	Yield Goal	Acres	N	P_2O_5	K_2O
2001	Field 1		Crop Fertilizer Recs	Corn	180 Bu	33.4	220	0	0
2001	Field 1		Crop Nutrient Removal	Corn	180 Bu	33.4		67	49

Date	Field ID	Sub ID	Nutrient Activity	Source	Equipment/Method	Rate	Acres	N	P_2O_5	K_2O
Jul 00	Field 1		Manure App (2-yr 1.5xP)	Nursery pit	Tanker inject	6,500 Gal	8.9	125	146	146
Jul 00	Field 1		Manure App (2-yr 1.5xP)	Grow-finish pit	Tanker inject	5,100 Gal	24.8	116	168	138
May 01	Field 1		Fertilizer App	28-0-0	Row starter 2x2 placement	10 Gal	33.4	30	0	0
Jun 01	Field 1		Fertilizer App (1-yr N)	82-0-0	Inject	86 Lb	33.4	71	0	0
2001	Field 1		Total Nutrients Applied	Spreadable Area			33.4	220	164	141
2001	Field 1		Balance After Recs	Spreadable Area			33.4	0	164	141
2001	Field 1		Balance After Removal	Spreadable Area			33.4		97	92

Year	Field ID	Sub ID	Nutrient Needs	Crop	Yield Goal	Acres	N	P_2O_5	K_2O
2002	Field 1		Crop Fertilizer Recs	Soybean	55 Bu	33.4	0	0	0
2002	Field 1		Crop Nutrient Removal	Soybean	55 Bu	33.4		44	77

Date	Field ID	Sub ID	Nutrient Activity	Source	Equipment/Method	Rate	Acres	N	P_2O_5	K_2O
2002	Field 1		Total Nutrients Applied	Spreadable Area			33.4	0	0	0
2002	Field 1		Balance After Recs	Spreadable Area			33.4	0	164	141
2002	Field 1		Balance After Removal	Spreadable Area			33.4		53	15

Year	Field ID	Sub ID	Nutrient Needs	Crop	Yield Goal	Acres	N	P_2O_5	K_2O
2003	Field 1		Crop Fertilizer Recs	Wheat	65 Bu	33.4	65	0	0
2003	Field 1		Crop Nutrient Removal	Wheat	65 Bu	33.4		41	24

Date	Field ID	Sub ID	Nutrient Activity	Source	Equipment/Method	Rate	Acres	N	P_2O_5	K_2O
Sep 02	Field 1		Manure App (1-yr 1.5xP)	Farrow pit	Tanker inject	3,500 Gal	19.6	66	123	130
Sep 02	Field 1		Manure App (1-yr 1.5xP)	Grow-finish pit	Tanker inject	3,500 Gal	14.1	85	116	95

Preview

Projected Soil P And K Levels

Plan File: C:\Program Files (x86)\USDA\MMP 0.33\Samples\IN_Training_Example.mmp **Last Saved:** 8/10/2007
Operation: Good Guy Enterprises **State:** Indiana **Init. File Rev:** 12/16/2013

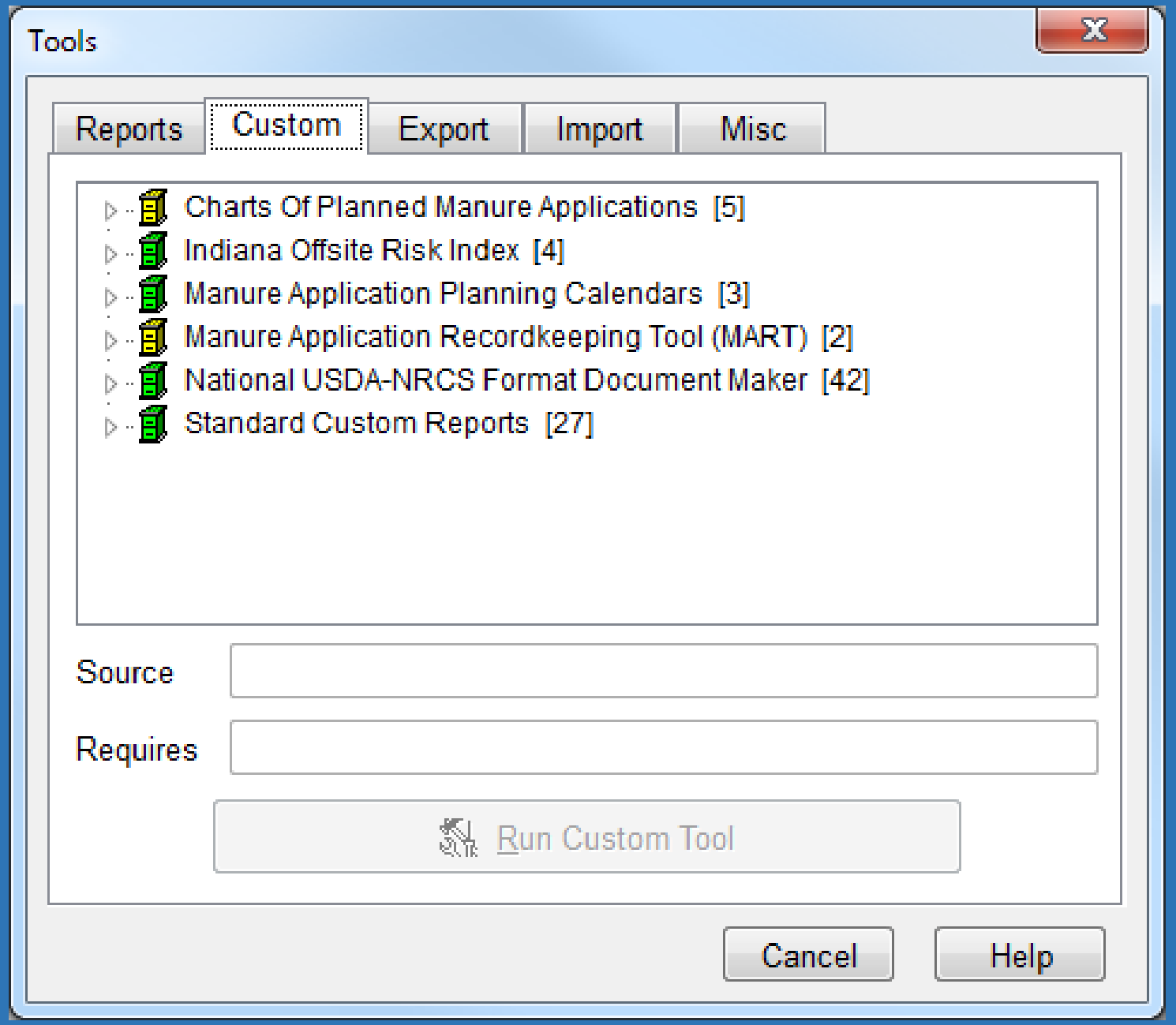
Field ID	Sub ID	P Level At Start Of Plan	P Level At End Of Plan	K Level At Start Of Plan	K Level At End Of Plan	Units
Field 1		75	82	210	217	ppm
Field 2		35	49	175	198	ppm
Field 3		80	88	190	196	ppm
Field 4		42	57	168	193	ppm
Field 5		215	206	238	201	ppm
Field 6		160	163	258	253	ppm
Field 7		110	108	178	155	ppm
Field 8		75	84	118	119	ppm
Field 9		28	47	134	175	ppm
Field 10		48	64	144	168	ppm
Field 11		205	196	183	146	ppm
Field 12		140	143	165	163	ppm
Field 13		125	129	190	184	ppm
Field 14		58	59	188	169	ppm
Field 15		80	81	190	172	ppm
Field 16		125	133	187	186	ppm

Notes

Equations used to determine change in soil test P and K:

Change in P (ppm) = Round(NetP2O5/20)

Change in K (ppm) = Round((NetK2O - NumYears*20) / (4 + 0.2*CEC))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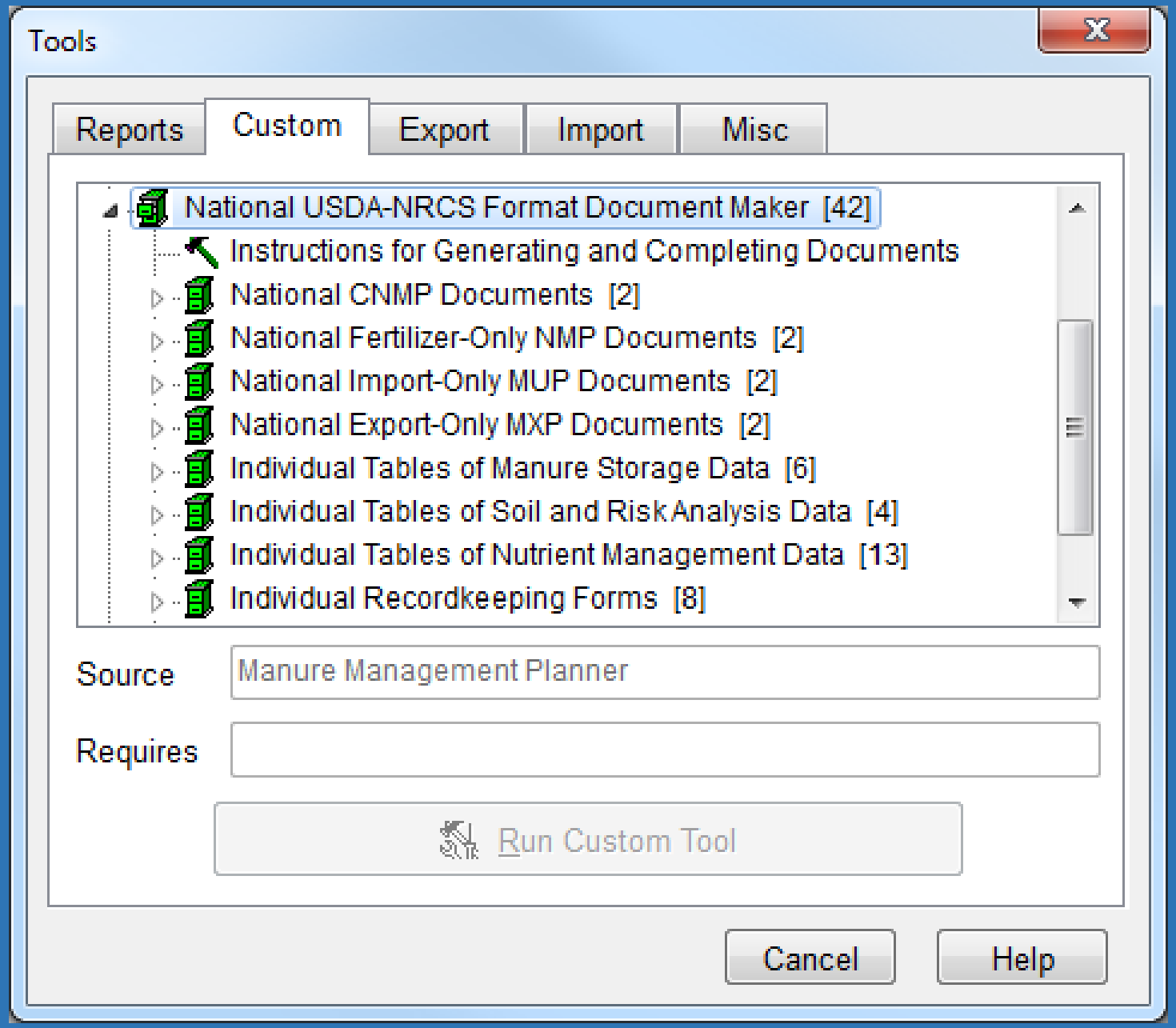
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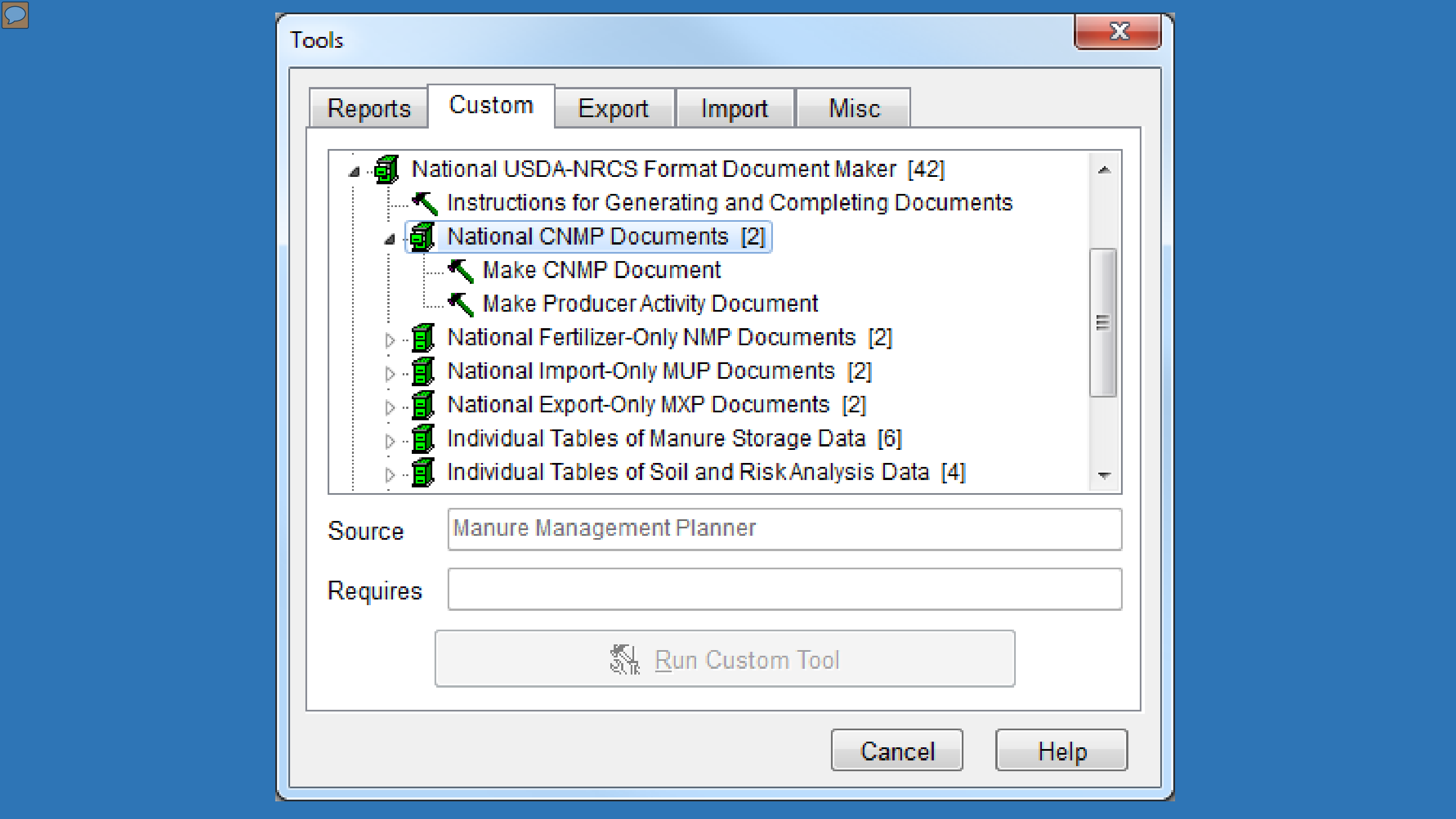
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Make Producer Activity Document
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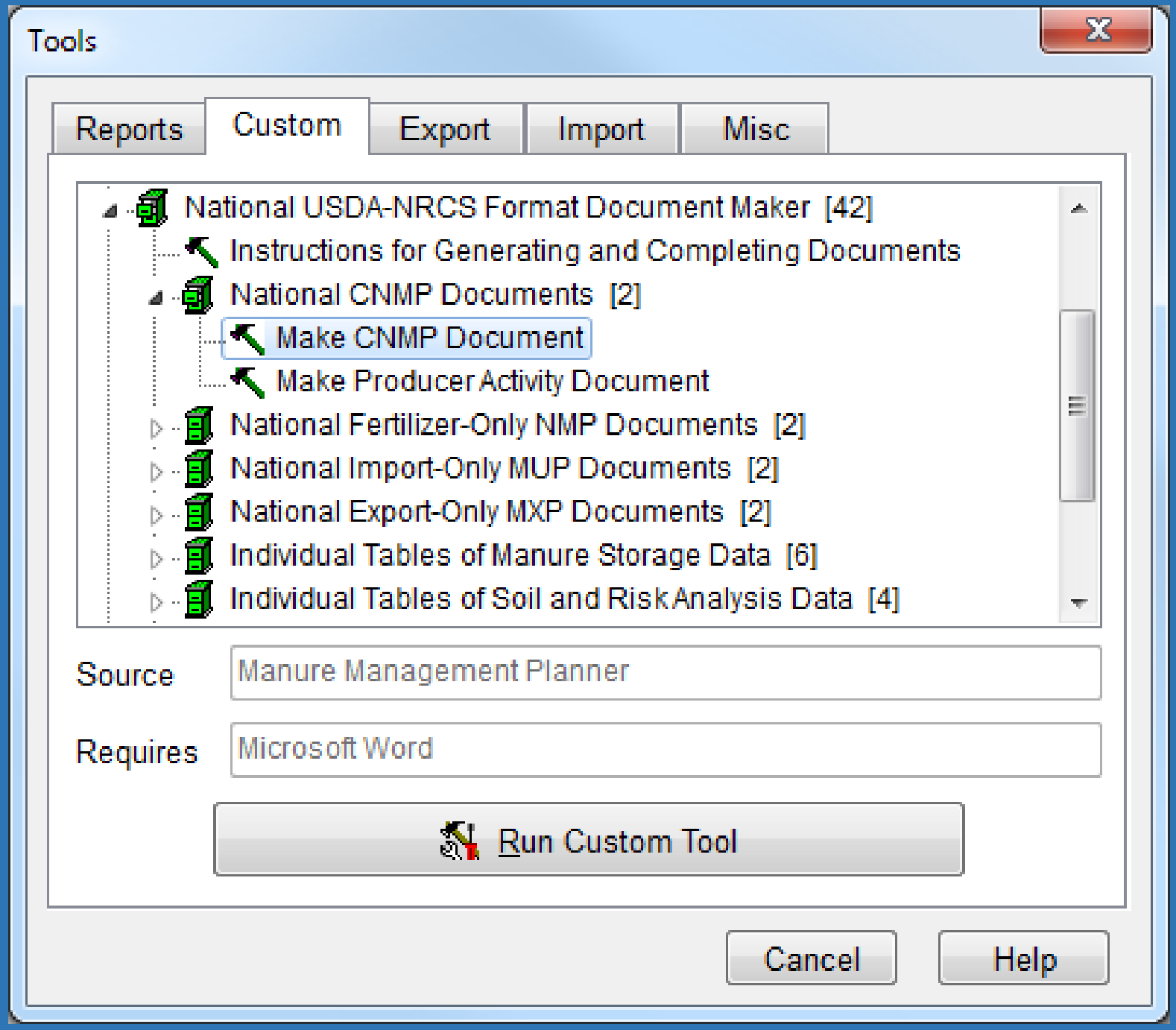
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NRCS Conservation Service

Comprehensive Nutrient Management Plan (CNMP)

(Version 2, 9/14/2011 Format)

The Comprehensive Nutrient Management Plan (CNMP) is an important part of the conservation management system (CMS) for your Animal Feeding Operation (AFO). This CNMP documents the planning decisions and operation and maintenance for the animal feeding operation. It includes background information and provides guidance, reference information and Web-based sites where up-to-date information can be obtained. Refer to the Producer Activity Document (PAD) for information about day-to-day management activities and recordkeeping. Both this CNMP document and the PAD document shall remain in the possession of the producer/landowner.

Farm/Facility: Good Guy Enterprises
c/o Ima Farmer
2002 Somewhere Avenue
Cantellya, IN 55555
(555) 555-5555

Owner/Operator:

Farm Headquarters Latitude/Longitude:

Plan Period: Jul 2000 - Jun 2003

Certified Conservation Planner

As a Certified Conservation Planner, I certify that I have reviewed both the *Comprehensive Nutrient Management Plan* and *Producer Activity Document* for technical adequacy and that the elements of the documents are technically compatible, reasonable and can be implemented.

Nutrient Management Plan – Fertilizer Only (NMP)

(Version 2, 9/14/2011 Format)

The Nutrient Management Plan (NMP) is an important part of the conservation management system (CMS) for your crop operation. This NMP documents the planning decisions. It includes background information and provides guidance, reference information and Web-based sites where up-to-date information can be obtained. Refer to the Producer Activity Document (PAD) for information about day-to-day management activities and recordkeeping. Both this NMP document and the PAD document shall remain in the possession of the producer/landowner.

Farm/Facility: Good Guy Enterprises
c/o Ima Farmer
2002 Somewhere Avenue
Cantellya, IN 55555
(555) 555-5555

Owner/Operator:

Farm Headquarters Latitude/Longitude:

Plan Period: Jul 2000 - Jun 2003

Certified Conservation Planner

As a Certified Conservation Planner, I certify that I have reviewed both the *Nutrient Management Plan* and *Producer Activity Document* for technical adequacy and that the elements of the documents are technically compatible, reasonable and can be implemented.

Signature: _____ Date: _____

Questions???

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