



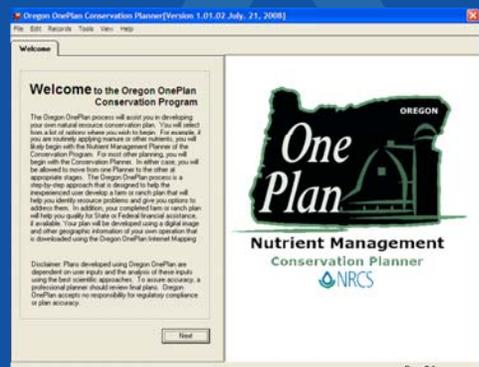
What is a CNMP - CNMP Planning Software

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Software Options

- Oregon OnePlan (O-NMP)
- Oregon Animal Waste Management (ORAWM)
- Manure Management Planner (MMP)
- Animal Waste Management (AWM)
- Afo Pro
- Spatial NMP



	CNMP Software				
	Components	OnePlan	MMP+		
			MMP	AWM	SNMP
Mapping	√	-	-	√	
Acreage Calc	√	-	-	√	
Rainfall Analysis	√	-	√	-	
Soil Layer Analysis	√	-	-	√	
Manure/Bedding Vol Cals	√	-	√	-	
Feed Management Analysis	-	√	-	-	
Process Water Calcs	√	-	√	-	
Bio-Nutrient Calcs	√	√	√	-	
Manure Analysis Input	√	√	-	-	
Soil Analysis Input	√	√	-	-	
Manure Storage Sizing Calcs	√	-	√	-	
Crop Rotation Entry	√	√	-	-	
Oregon Crop Selection	√	√	√	-	
Irrigation Analysis	√	-	-	-	
NRCS Conservation Practices	√	-	-	√	
Runoff Characterization	√	-	√	-	
Leaching Analysis	√	-	-	-	
Animal Mortality Handling	√	-	-	-	
Assistance with Oregon P-Index	√	-	-	-	
Nutrient Application Schedule	√	√	-	-	
Nutrient Balance Calcs	√	√	√	-	
Commercial Fertilizer Schedule	√	-	-	-	
Export Nutrients Schedule	√	√	-	-	
Nutrient Risk Analysis	√	-	-	-	
CNMP Report Template	√	√	-	-	

- Software Summary



CNMP Definition

- Where do we get this definition?
 - Regulatory?
 - NRCS?
 - People/Groups with \$\$?
 - Grandma?



CNMP Definition

- Has anything changed recently?



CNMP Definition

- Has anything changed recently?
 - Definition?
 - Regulations?
 - Nutrient Awareness?
 - Policy?



CNMP Definition

- What has changed recently?
 - Definition?
 - Regulations?
 - Nutrient Awareness?
 - Policy?
- What hasn't changed?



CNMP Definition

- What has changed recently?
 - Definition?
 - Regulations?
 - Nutrient Awareness?
 - Policy?
- What hasn't changed?
- Do we have to adapt?

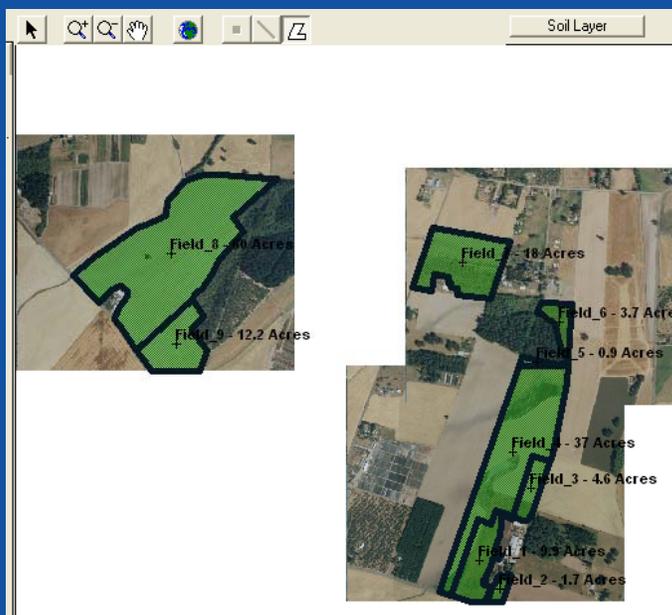


How do we keep up?

- Understand (ie. Read) policy
- Ask questions
- Communicate with your CNMP team
- Understand alternatives
- Awareness of new technologies
- Practice
- Time



What does O-NMP Offer?



NRCS OREGON What does O-NMP Offer?

Oregon OnePlan Conservation Planner (my ranch Conservation Plan)[Version 1.00.02 Feb. 20, 2008]

File Edit Records Tools View Help

Introduction Livestock **Bio-Nutrients** Sizing Crops Irrigation Resource Concerns Application Nutrient Risks

Manure Distribution Nutrient Content

Determining the Distribution of Manure on Your Farm

Instructions: Enter selections below to estimate different manure groups. **Assisted Mode (Uses Default Values)**

Manure Sent to Wastewater System

Check each that apply:

Scrape manure from the parlor Scrape manure from the holding pen
 Scrape manure from the barn

Livestock Unit	Flush The Feed Alley Area	Flush The Housing/Bedding Area	Percent of Time on Pasture
Milker	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	10
Dry Milker	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	30
Heifer	<input type="checkbox"/>	<input type="checkbox"/>	65
Calf	<input type="checkbox"/>	<input type="checkbox"/>	0

Solid Separation

I have Separator(s) on my wastewater system

Add

Manure Separator(s)

Mechanical Screw Press Edit Delete

Manure Groups

Livestock	Livestock		Separator	Remaining %	Waste Storage Pond(s)		Solid Stack(s)		Separated Solid(s)		Pasture(s)		Click
	Count	Name			% Manure	Tons	% Manure	Tons	% Manure	Tons	% Manure	Tons	
Milker	160	Mechanical	0	54	2293			36	1528	10	425		
Dry Milker	30	N.A.	0	70	294					30	126		
Heifer	79	N.A.	0			35	239			65	444		
Calf	30	N.A.	0			100	113						

NRCS OREGON What does O-NMP Offer?

Oregon OnePlan Conservation Planner (JosieTest Conservation Plan)[Version 1.00.02 Feb. 20, 2008]

File Edit Records Tools View Help

Introduction Livestock Bio-Nutrients **Sizing** Crops Irrigation Resource Concerns Application Nutrient Risks

Introduction Dairy Process Water General Process Water **Runoff** Manure Storage

Determine Surface Runoff in Your Liquid Storage

Runoff Regulations

Instructions: Enter a name for every surface runoff area on your facility and fill in the boxes for each.

Precipitation Data

Override (Existing Runoff Areas, below, will not use updated values)

Inches of Precipitation from a 25-year, 24-hour storm event: 6 Winter Precip - Evap: 14.34

Surface Runoff Areas

(Right click to Add or Delete entries) OR

Name of Area Contributing to Runoff	Type of Surface	Slope	Width (ft)	Length(ft)	Area (acres)	Containment Method
Loafing Lot	Earthen	> 3%	40	50	0	Storage Pond
Roof Runoff	Concrete/Paved	< 3%	0	0	.4	Storage Pond
Manure Transfer Area	Concrete/Paved Scraped Daily	< 3%	20	100	0	Storage Pond
Silage Runoff	Concrete/Paved	> 3%	100	60	0	Storage Pond



What does O-NMP Offer?

P- Index

Phosphorus Index
Introduction/Instructions

Field Name: Acres:

Soil Erosion from Sprinkler Irrigation:

Subsurface Drainage:

Commercial P Source Application Method:

Organic P Source Application Method:

Distance to Perennial Surface Waters / Buffer Widths:

Soil Erosion - tons/ac/yr (RUSLE and/or WEQ):

Flood Frequency Class:

Crops

CropTypeID
Name
CropClassID
Location
Perennial
Pub
RootDepth
ManagementAllowableDepletion
ErrrosionFactor
PercentNitrogen
PercentNitrogenStraw
PercentPhosphorus
PercentPhosphorusStraw
PercentPotassium
PercentPotassiumStraw
PercentDryMatter
PercentStraw
YieldUnits
DryWeightConversion
Guidelines
StrawMultiplier
NitrogenVariability
PhosphorusVariability
CropCreditDebit
ResidueNFactorConversion
PotassiumVariability

Beginning to End

Introduction
Livestock
Bio-Nutrients
Sizing
Crops
Irrigation
Resource Concerns
Application
Nutrient Risks

Introduction
Dairy Process Water
General Process Water
Runoff
Manure Storage



Questions / Comments?