

Florida Department of Agriculture and Consumer Services (FDACS) Update

Katie Hallas

FDACS

Office of Agricultural Water Policy (OAWP)

May 2, 2017



Presentation Overview

- Agricultural Best Management Practices (BMP) Program Update
- BMP Program Enrollment Update
- Northern Sub-watershed Enrollment Effort Update
- Cost-Share Updates
- Implementation Assurance (IA) Program Update

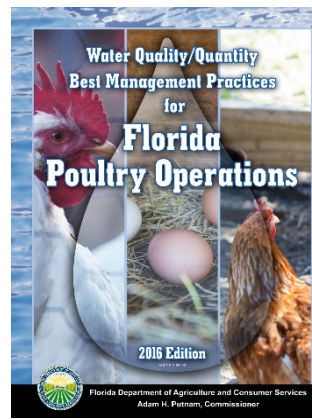
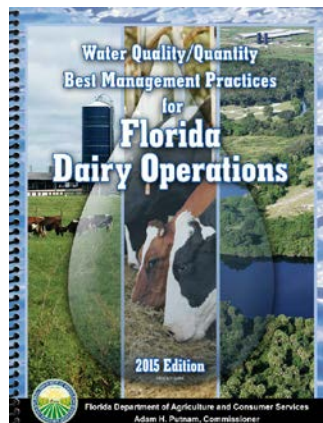
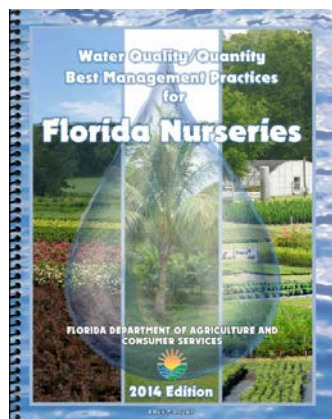
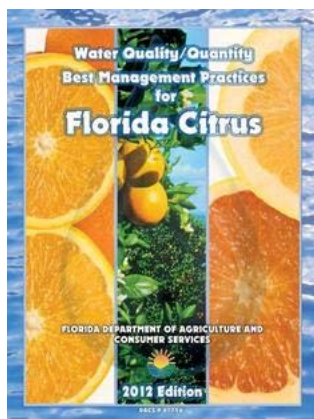
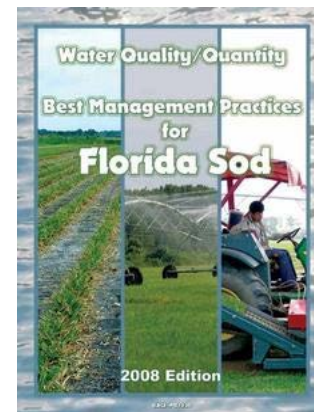
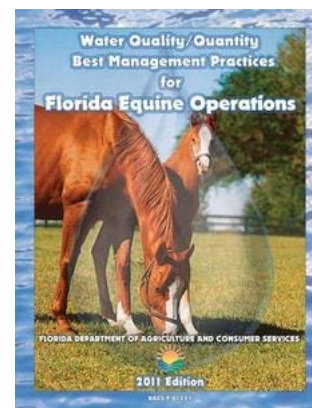
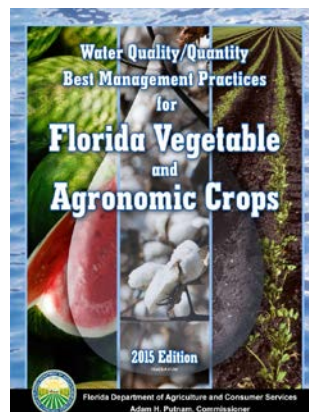
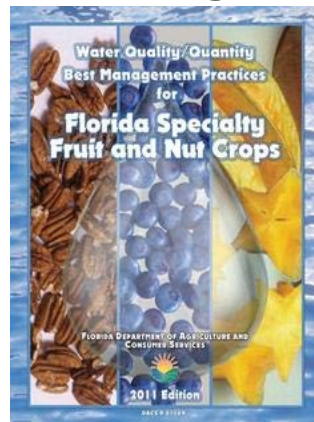
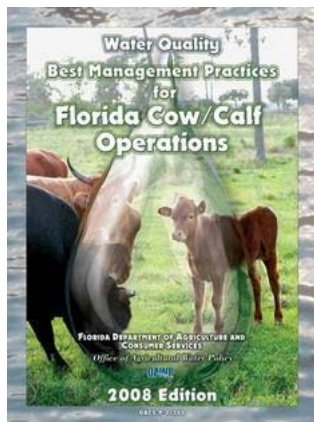


Agricultural BMP Program Update



Agricultural BMP Program Update

OAWP BMP Manuals



**Coming
Soon!**

**Florida Small
Farms**



Florida Department of Agriculture and Consumer Services

Agricultural BMP Program Update

OAWP BMP Programs

Manual	Adoption	Rule Reference	Next Review
Cow/Calf UNDER REVIEW	2009	5M-11	2016
Sod UNDER REVIEW	2008	5M-9	2016
Specialty Fruit & Nut	2011	5M-13	2017
Equine	2012	5M-14	2017
Citrus	2013	5M-16	2018
Nursery	2014	5M-6	2018
Vegetable and Agronomic Crops	2015	5M-8	2020
Dairy	2016	5M-17	2021
Poultry	2016	5M-19	2021
Small Farms IN DEVELOPMENT	2017		



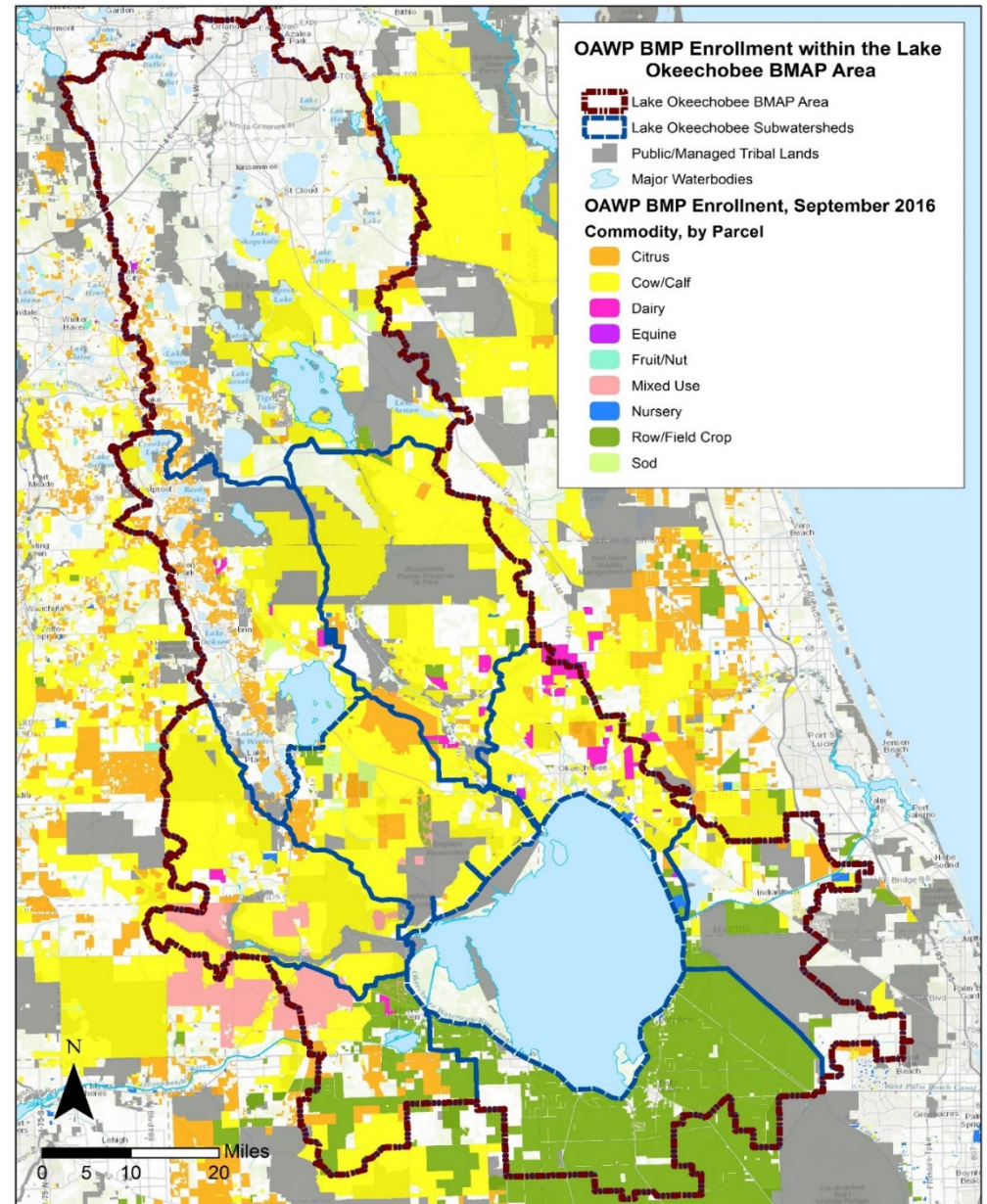
BMP Program Enrollment Update

Northern Sub-watersheds

Southern Sub-watersheds



Lake Okeechobee BMP Enrollment as of September 30, 2016



Fisheating Creek Sub-watershed BMP Enrollment as of September 30, 2016

Category	Acres
Acreage Enrolled as of December 31, 2008	37,918
Acreage Enrolled January 1, 2009–September 30, 2016	270,823
Total Acreage Enrolled (as of September 30, 2016)	308,741
Load Estimation Tool (LET) Agricultural Acres	174,561
LET Enrolled Agricultural Acres	145,940
LET Remaining Agricultural Acres To Enroll	28,621



Indian Prairie Sub-watershed BMP Enrollment as of September 30, 2016

Category	Acres
Acreage Enrolled as of December 31, 2008	8,604
Acreage Enrolled January 1, 2009–September 30, 2016	198,667
Total Acreage Enrolled (as of September 30, 2016)	207,271
LET Agricultural Acres	218,216
LET Enrolled Agricultural Acres	166,194
LET Remaining Agricultural Acres To Enroll	52,022



Lake Istokpoga Sub-watershed BMP Enrollment as of September 30, 2016

Category	Acres
Acreage Enrolled as of December 31, 2008	73,501
Acreage Enrolled January 1, 2009–September 30, 2016	133,207
Total Acreage Enrolled (as of September 30, 2016)	206,708
LET Agricultural Acres	130,523
LET Enrolled Agricultural Acres	92,077
LET Remaining Agricultural Acres To Enroll	38,446



Lower Kissimmee Sub-watershed BMP Enrollment as of September 30, 2016

Category	Acres
Acreage Enrolled as of December 31, 2008	155,862
Acreage Enrolled January 1, 2009–September 30, 2016	193,338
Total Acreage Enrolled (as of September 30, 2016)	349,200
LET Agricultural Acres	216,284
LET Enrolled Agricultural Acres	159,084
LET Remaining Agricultural Acres To Enroll	57,200



Taylor Creek/Nubbin Slough Sub-watershed BMP Enrollment as of September 30, 2016

Category	Acres
Acreage Enrolled as of December 31, 2008	51,903
Acreage Enrolled January 1, 2009–September 30, 2016	107,084
Total Acreage Enrolled (as of September 30, 2016)	158,987
LET Agricultural Acres	140,921
LET Enrolled Agricultural Acres	113,446
LET Remaining Agricultural Acres To Enroll	27,475



Upper Kissimmee Sub-watershed BMP Enrollment as of September 30, 2016

Category	Acres
Acreage Enrolled as of December 31, 2008	22,037
Acreage Enrolled January 1, 2009–September 30, 2016	176,503
Total Acreage Enrolled (as of September 30, 2016)	198,540
LET Agricultural Acres	275,034
LET Enrolled Agricultural Acres	124,240
LET Remaining Agricultural Acres To Enroll	150,794



Northern Sub-watershed Enrollment Effort Updates



Northern Sub-watershed Enrollment Effort Updates

- Ongoing efforts in:
 - Taylor Creek/Nubbin Slough Sub-watershed
 - Indian Prairie Sub-watershed
 - Fisheating Creek Sub-watershed
- Remaining sub-watersheds:
 - Lake Istokpoga
 - Upper Kissimmee
 - Lower Kissimmee



Cost-Share Updates



Summary of Total Phosphorus (TP) Load Reductions on Agricultural Lands

Sub-watershed	Agricultural BMPs (MT/YR)*	Cost-Share BMPs (MT/YR)	HWTT/FAVT** (MT/YR)
Fisheating Creek	6.98	0.27	8.59
Indian Prairie	6.72	0.28	N/A
Lake Istokpoga	1.72	0.11	N/A
Lower Kissimmee	6.59	0.32	N/A
Taylor Creek/Nubbin Slough	7.73	2.31	7.57
Upper Kissimmee	3.56	0.03	N/A
Total	33.3	1.58	16.17

*MT/YR = metric tons per year

**HWTT/FAVT = Hybrid Wetland Treatment Technology/Floating Aquatic Vegetation Tilling



OAWP Cost-Share Nutrient Reduction Estimates

- Cost-Share Estimates (Soil and Water Engineering Technology, Inc.):
 - TP: 49 MT/year
 - Total nitrogen (TN): 250 MT/year
- Typical Cost Effectiveness:
 - TP range: \$5.95/pound-TP/year (water troughs) to \$1,220/pound-TP/year (dairy remediation)
 - TN range: \$.71/pound-TN/year (weather stations) to \$642/pound-TN/year (dairy remediation)



Dairy Cost-Share Program

- Third solicitation in fall 2016.
- Approved eight projects (\$4,002,527.35).
- Expected TP reduction = 1.73 MT
- Amount allocated for third round of projects = \$3,766,997.80
- Signed agreements with six producers.



IA Program Update



IA Program Update

- Follow-up program after BMP enrollment.
- Efforts commenced to revise and restructure in late 2014.
- Revisions to program required by Chapter 2016-1, Laws of Florida.
- New program known as Implementation Verification Program.
- Rulemaking initiated December 2016.
- First comprehensive report is due July 1, 2018.



Questions?

Thank You!

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