# Annual Agriculture Progress Reports Neuse & Tar-Pamlico River Basins

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Prepared by the Neuse and Tar-Pamlico
Basin Oversight Committees

### Rule Overview

#### Neuse & Tar-Pam Agricultural Rules

- Effective:
  - August 1998 (Neuse) and September 2001 (Tar-Pam)
- Goal:
  - 30% N reduction in N load from baseline
  - No increase in Phosphorus load in Tar-Pam
- Implementation
  - Collective strategies
  - 2 Basin Oversight Committees (BOCs)
  - 31 Local Advisory Committees (LACs)

#### Neuse estimated N Loss Reductions

	2008 Reported N Loss	2009 Reported N Loss
County	(%) NLEW v5.32	(%) NLEW v5.32
Carteret	55%	34%
Craven	39%	48%
Durham	61%	60%
Franklin	64%	64%
Granville	56%	55%
Greene	41%	53%
Johnston	33%	36%
Jones	40%	40%
Lenoir	22%	17%
Nash	54%	62%
Orange	51%	60%
Pamlico	31%	37%
Person	34%	37%
Pitt	41%	62%
Wake	77%	80%
Wayne	48%	50%
Wilson	46%	35%
Total	41%	44%

### How were N loss reductions achieved? Neuse River Basin

	2006 NLEW v5.30	2007 NLEW v5.30	2008 NLEW v5.32	2009 NLEW v5.32
<b>BMP</b> implementation	8%	6%	5%	7%
Fertilization management	16%	10%	12%	14%
Cropping shift	5%	7%	10%	8%
Cropland converted to grass/trees	1%	2%	1%	1.5%
Cropland lost to idle land	10%	7%	6%	6.5%
Cropland lost to development	5%	7%	7%	7%
Total	45%	39%	41%	44%

### Tar-Pam Estimated N Loss Reductions

	2008 Reported N	2009 Reported N	
	Loss (%) NLEW	Loss (%) NLEW	
County	v5.52	v5.52	
Beaufort	40%	44%	
Edgecombe	38%	35%	
Franklin	70%	68%	
Granville	66%	65%	
Halifax	52%	49%	
Hyde	49%	41%	
Martin	37%	41%	
Nash	60%	68%	
Person	51%	51%	
Pitt	57%	56%	
Vance	73%	76%	
Warren	59%	52%	
Washington	43%	46%	
Wilson	47%	51%	
Total	50%	50%	

# How were the N Loss reductions achieved? Tar-Pamlico River Basin

	CY2006 NLEW v5.51	CY2007 NLEW V5.51	CY2008 NLEW V5.52	CY2009 NLEW V5.52
BMP implementation	8%	10%	10%	11%
Fertilization Management	20%	20%	21%	20%
Cropping shifts	7%	8%	10%	11%
Reduction in cropland due to idle land	4%	3%	4%	3.5%
Reduction in cropland due to cropland conversion	3%	2%	4%	3.5%
Reduction in cropland due to development	1%	1%	1%	1%
TOTAL	43%	44%	50%	50%

# Phosphorus Loss Tracking Tar-Pamlico River Basin

- Tar-Pam Ag Rule includes P accounting
  - No increase in P from baseline
- Method to qualitatively track P approved in 2005
- 2009 found no net increase in P loss risk
- BOC will continue to monitor trends
- PTAC committee plans to meet to discuss sources for animal data

### Future Steps

- Encourage BMP implementation
- Technician & LAC meetings
- Targeted outreach for:
  - Falls Lake NSW Strategy
  - Management of water control structures
  - Counties not currently meeting the goal

## Acknowledgements

Neuse & Tar-Pamlico Technicians **Producers** LACs Local SWCD **NRCS** CES NCDA & CS NASS **NLEW Committee** NCSU **DWQ** 

### Questions

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