





**#3 Practice to be Implemented**      **Fence out cows from stream in pastures and establish a buffer of 35' where possible**

*Impact:*      If 7,000 feet of stream fencing is installed with an average width of 35 feet between the fence and the stream, it will result in a reduction of approximately 377 lbs N, 54.6 lbs P, and 18.5 tons sediment.

If 7,000 feet of stream fencing is installed with an average width of 15 feet between the fence and the stream, it will result in a reduction of approximately 260.9 lbs N, 42.7 lbs P, and 16.6 tons sediment.

*Implementation date:* **Fall 2011**

*Notes:* \_\_\_\_\_

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**#4 Practice to be Implemented**      **Discontinue fall application of manure to cover crops that are not harvested for silage in the spring.**

**Use a strip trial in year one to see whether adequate establishment is achieved to protect against erosion.**

*Impact:*      Cover crops with manure do NOT receive N or P load reductions

If manure use is discontinued there would be an approximate per acre reduction of 23.1 lbs N for a drilled barley cover crop with an early planting date and 17.3 lbs N for a drilled barley cover crop with a standard planting date.

*Implementation date:* **2010**

*Notes:* \_\_\_\_\_

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**#5 Practice to be Implemented**      **Reduce soil test phosphorous levels on high P fields – Part 1**

1. Fields H 20,04,04A,05,06,06A,07,09 &12 are all high P  
    Note: H09 & H12 are environmentally sensitive shallow soils
2. Discontinue adding turkey litter to these fields
3. Broker some litter
4. Other options?

*Impact:*      This will accelerate the reduction in P levels in high P fields. At this time there is no reduction estimate for reducing soil P levels.

*Implementation date:* **Ongoing**

*Notes:* \_\_\_\_\_



**#6 Practice to be Implemented      Rental lands / Purchasing new lands**

*Impact:* Will be property dependent. In decision process for new rental lands or purchasing of new lands, consider the existence of *verifiable* conservation practices that will reduce nutrient and sediment losses. Also, check P status of any lands; aim to have soils <120 ppm (240 lbs/A) P.

*Implementation date:* **Ongoing**

*Notes* \_\_\_\_\_

**In summary, if the following CIP practices are implemented the farm loadings and reductions would be as follows:**

**CIP practices:** 7,000 ft of stream fencing with a width of 35 feet between the fence and the stream bank, 222 acres continuous no-till, 222 acres drilled barley cover crop with a standard planting date,

<b>CIP Scenario load:</b>	N 15,553 lbs	38% N reduction achieved from No BMP Load
	P 681 lbs	39% P reduction achieved from No BMP Load
	Sediment 159 tons	71% sediment reduction achieved from No BMP Load

For further information contact:	Dale Gardner with Water Stewardship	540-246-2839
	Local NRCS Office for technical assistance	540-433-2853
	Local Va DCR Office for technical assistance	540-433-2853

I agree to work toward the following practices #\_\_\_\_, #\_\_\_\_, #\_\_\_\_, #\_\_\_\_, #\_\_\_\_ and #\_\_\_\_ as presented in this Plan and will partner with Water Stewardship, Inc. to implement the Plan.

_____	_____
(Farmer)	(Date)

_____	_____
(WSI Staff Member)	(Date)