PA- Supplemental Guidance
2011-1

ENR-01 **Fuel Use Reduction for Field Operations** –Any management changes must result in a minimum of 20% savings in fuel use over the entire rotation. RUSLE2 Calculations will need to be completed for each rotation to determine actual fuel use savings. Soil disturbance cannot exceed the benchmark disturbance level identified in the CMT tool during the interview.

Sample management options for typical PA crops are found below.

2008 CSP -- Energy Enhancement for Fuel Use Reduction for Field Operations

Scenario	Tillage Type	Fuel Use (gal/ac)	Fuel Cost / Ac. ($2.75/gal.)	% Reduction
Corn Silage	Moldboard, 2 tandem diskings, harrow	4.7	$12.80	Control
Corn Silage	2 tandem diskings	2.5	$6.74	47
Corn Silage	No-till	1.6	$4.46	66
Corn Grain	Moldboard, 2 tandem diskings, harrow	5.2	$14.40	Control
Corn Grain	2 tandem diskings	3	$8.33	42
Corn Grain	No-till	2.2	$6.05	58
4 yrs corn silage / 4 yrs alfalfa	Moldboard, 2 tandem diskings, harrow	76	$208.00	Control
4 yrs corn silage / 4 yrs alfalfa	2 tandem diskings	65	$178.00	14
4 yrs corn silage / 4 yrs alfalfa	No-till	61	$167.00	20
Corn grain -- soybeans	Moldboard, 2 tandem diskings, harrow	10	$28.60	Control
Corn grain -- soybeans	2 tandem diskings	5.9	$16.10	41
Corn grain -- soybeans	No-till	4.2	$11.60	58

See RUSLE2 Worksheet for details
Yields - Corn Silage: 23 t/ac. Corn Grain: 125 bu/ac. Soybeans - 40 bu/ac.
Soil - HaB **Slope** - 5% / 200' **Row Grade** - Absolute 2%

System/acre

Amount Applicable = Cropland acres

Not applicable on adjacent land

Not compatible with: ANM06, ANM07, ANM08, ANM10, ANM12, ANM 23, CCR99, PLT08, SOE01, SQL01