

EQIP 2011

627 Contracts

Crop	\$1,861,990
Pasture	\$2,266,282
Confined Animal	\$9,992,975
N&B	\$238,156
Soc. Disadvantaged	\$540,186
Organic	\$437,957
Closure (Waste Impoundments)	\$478,429
CCPI	\$430,823
Ag Chemical Handling	\$145,139
High Tunnel	\$ 94,448
CAPs	\$ 5,625
Forestry	\$638,271
CIG	\$261,055
Total obligated	\$16,706,619
Total allocated to date:	\$17,282,511



WHIP 2011
125 Contracts

WHIP Habitat Priority Areas –

13 Priority Areas

54 contracts for \$224,140



WHIP Long Leaf Pine -

71 contracts for \$1,025,054

14 different counties

New Policies for 2012

Prescribed Burning (338)

Affecting WHIP and EQIP

Refer to 515.81 Supplement (Handout)

Prescribed Burning (338) and associated practices such as Firebreak (394) may only be planned two times in one contract *for the same land unit.*

New Policies for 2012

New and Expanding Poultry Operations

All poultry operations requesting Waste Storage Facility (313), Mortality Incinerator (316) or Mortality Composter (317) must demonstrate that the operation has been in business for more than three years to receive a high priority (screening tool determination). (Three years is measured from the date that the first flock arrived on the farm.)




New Policies for 2012

New and Beginning Farmer

Applicants claiming “new and beginning” will be required to provide adequate documentation prior to an application being ranked.

Note: If an entity is claiming “new and beginning” all members of the entity must meet the criteria.






New Policies for 2012

Use of Water Well (642)

The primary and sole purpose of water well (642) is to facilitate livestock watering in order to remove livestock from surface waters.



Note: Prescribed Grazing (528) alone will no longer be an approved purpose for the use of well. EQIP can attach to existing water source to distribute water in conjunction with 528.



PROGRAMS FOR 2012



Payment Schedules

Mid July 2011

NRCS Chief directed States to cease work on payment schedules.

Reason: Inconsistency among states

Reference NB 300-11-32






Payment Schedules

Direction given is:

Top 15 practices used Nationwide will have **regional** practice scenarios.

We are in the Appalachian Region consisting of NC, VA, TN, KY and WV



Matt and I participated in a 'regional team' to review scenarios for the Top 15 practices.



Payment Schedules

What are the Top 15 Practices?

Fence

Brush Management

Nutrient Management

Pipeline

Pest Management

Cover Crop



Water Facility

Forest Stand Improvement

Heavy Use Area Protection

Shallow Water for Wildlife

Prescribed Grazing

Pasture and Biomass Planting

Irrigation System, Sprinkler

Pumping Plant for Water Control

Wildlife Upland Habitat Management



Payment Schedules

For Top 15 practices:

No more than 8 scenarios will be available per region per practice for 2012. Practices not on the Top 15 list will use 2011 costs or corrected 2012 costs prepared by respective state staffs.


Product will be one payment schedule available on November 1, 2011



Payment Schedule

Goal is to have a Regional Payment Schedule for all practices for 2013.

The payment schedule scenarios (8) include Organic, AWEP, General EQIP, CCPI, WHIP and (AMA).





New Initiatives for 2012



EQIP Initiatives

New approach for 2012...

Organic

Seasonal High Tunnel System

Air Quality

Energy



All Initiatives will be coordinated from NHQ.



EQIP Initiatives

The Chief has set batching periods for these
Initiatives:

Batching Period 1 – Ends February 3, 2012

Batching Period 2 – Ends March 30, 2012

Batching Period 3 – Ends June 1, 2012



Final Obligation Date is July 2, 2012



EQIP Initiatives

For these Initiatives basic functions will be
“centralized.”

Resource Concerns

Ranking Criteria (National and State)

Practice payments



Batching dates

Fund Management

Web Site and link to states websites



EQIP Initiatives

States will:

Develop Local Ranking Criteria

Managing funds, planning, accepting applications, contracting and fund obligation.




New Initiatives

ORGANIC INITIATIVE

Chief believes that states are inconsistent in their delivery of the Organic Initiative.

ie., practices offered, payment rates



Nationally, NRCS obligated approximately half of the \$50 million that the Chief has marked for Organic Initiative.



EQIP Initiatives

For Organic producers interested in EQIP, I see no disadvantages to this approach.

I welcome consistent use of practices and payment rates.

If you are an Organic producers, your first batching date is February 3, 2012. Get your planning done now!

There will be a threshold score in this initiative.



EQIP Initiatives

SEASONAL HIGH TUNNEL SYSTEM

Headquarters will hold a fund amount to be used exclusively for the SHTS. States will request funds after each batching period. (Ranking deadline will be set soon after each batch)

How does that change our approach in NC?



S-H-T-S

Review Practices Available under the SHTS

Review State Ranking Questions for SHTS

Advance NB on SHTS...



EQIP Initiatives

AIR QUALITY (NC is not a priority state)

FY2012 Option for Allocation of Air Quality Initiative Funding:									
Final Allocation, <i>Excluding</i> States with < 3% weight									\$37,500,000
State	Weighted Percent Alloc per State	Total State Acres	Adjusted State %	Total State Ag Operations	Adjusted State %	Adjusted Weighted Percent Alloc per State	FA Fund Allocation \$35,295,000	TA Fund Allocation \$2,205,000 5.88%	Total Allocation \$37,500,000
AZ	4.02%	5,525,487	8.17%	7,960	2.91%	5.54%	\$1,955,212	\$122,149	\$2,077,361
CA	34.21%	34,652,758	51.23%	125,919	46.05%	48.64%	\$17,167,182	\$1,072,493	\$18,239,675
CO	3.34%	3,958,952	5.85%	9,614	3.52%	4.68%	\$1,653,301	\$103,287	\$1,756,589
IL	4.14%	4,161,242	6.15%	15,352	5.61%	5.88%	\$2,076,423	\$129,721	\$2,206,144
MT	3.05%	4,431,584	6.55%	4,934	1.80%	4.18%	\$1,474,535	\$92,119	\$1,566,654
NY	3.42%	2,750,202	4.07%	15,993	5.85%	4.96%	\$1,749,693	\$109,309	\$1,859,003
OH	4.24%	2,998,346	4.43%	21,705	7.94%	6.19%	\$2,183,099	\$136,386	\$2,319,484
PA	7.07%	4,162,321	6.15%	40,142	14.68%	10.42%	\$3,676,733	\$229,698	\$3,906,431
TX	6.55%	5,007,101	7.40%	31,802	11.63%	9.52%	\$3,358,822	\$209,837	\$3,568,659
TOTAL		67,647,993	100%	273,421	100%	100.00%	\$35,295,000	\$2,205,000	\$37,500,000

EQIP Initiatives

ENERGY (On-Farm Energy Initiative)

The FY 2012 Energy Initiative is designed to assist producers to:

- **identify** ways to conserve energy on their farms
 - Agricultural Energy Management Plan – Headquarters 122
 - Agricultural Energy Management Plan – Landscape 124and,
- provide assistance to **implement** various recommended measures and conservation practice standards through use of completed AgEMPs (also known as on-farm energy audits) – where possible.

EQIP Initiatives ENERGY

Required Practices and CAPS:

- States shall **offer** all the conservation practices and CAPs that will be provided as an attachment in the National Bulletin for the On-Farm Energy Initiative.
- States **may not offer any additional practices** other than those listed nor include any additional resource concerns.

EQIP Initiatives

ENERGY

- CAPs:
 - AgEMP - Headquarters 122
 - AgEMP - Landscape 124
- CAP payment schedules will be developed and issued by the national office. *Please attend the October 24 Programs session on this topic.*

EQIP Initiatives

ENERGY

REQUIRED PRACTICES

- Conservation Crop Rotation 328
- Crop Cover 340
- Farmstead Energy Improvement 374
- Irrigation Reservoir 436 (only in states where applicable)
- Irrigation Water Management 449 (only in states where applicable)
- Pumping Plant 533
- Residue and Tillage Management, Mulch Till 345
- Residue and Tillage Management, No Till/Strip Till/Direct Seed 329
- Residue and Tillage Management, Ridge Till 346
- Windbreak/Shelterbelt Establishment 380

EQIP Initiatives

7. Energy Conservation – Will the proposed project assist the producer to:	
7a. Reduce energy consumption on the agricultural operation?	15
7b. Increase on-farm energy efficiency with more efficient equipment?	10
7c. Assist in implementing energy conservation measures that reduce emissions from GHGs and air pollutants?	10

EQIP Initiatives

SAMPLE SUMMARY OF RECOMMENDATIONS

Table 1 shown below contains a summary of the cost savings benefits of the recommended energy saving equipment for a poultry operation. Energy efficient equipment lowers costs by performing the same or more work with less energy.

Table 1. Summary of Estimated Annual Energy Efficiency Improvements

Recommended Measure	Estimated Reduction in Energy Use				Estimated Costs, Savings, Payback, and Prioritization for Implementation			Environmental Benefits				
								Greenhouse Gases			Air Pollutant Co-Benefits ^{2/}	
	Electric Savings (kWh)	Propane Savings (Gal)	Other ^{3/}	Energy Savings ^{1/} (MBTU)	Installed Cost [a]	Energy Cost Savings [b]	Payback in Years [a / b]	Estimated CO2 (lbs)	Estimated N2O (lbs)	Estimated CH4 (lbs)	Estimated SO2 (lbs)	Estimated NOx (lbs)
Example: Lighting	25,210			86	\$1,740	\$2,094	0.8	15.494	0.562		0.038	0.020
Example: Seal Air Leaks		477		44	\$1,500	\$809	1.9	2.981	0.043		0.000	0.003
Example: Insulate Brood Curtain		98		9	\$450	\$167	2.7	0.613	0.009		0.000	0.001
Example: Exposed Foundation Wall Insulation		383		35	\$5,621	\$651	8.6	2.394	0.034		0.000	0.002
Example: Curtain to Solid Insulated Sidewalls		444		41	\$7,168	\$754	9.5	2.775	0.040		0.000	0.003
Example: Side Wall Insulation		380		35	\$11,462	\$645	17.8	2.375	0.034		0.000	0.002
Totals	25,210	1,782		249	\$27,940	\$5,120	5.5	26.632	0.722		0.038	0.031

Table 1 Notes:



- 1) The estimated energy and cost savings are approximate values provided by EnSage, Inc. from an actual on-farm energy audit. A portion of the benefits for some of the improvements offset the benefits of others; for example, insulating side walls will actually seal up some of the air leaks and reduce the heat load in the winter.
- 2) SO_x and NO_x are ambient air contaminants; CO₂ is a green house gas.
- 3) Other: Gasoline, Diesel fuel, Natural Gas

COMET 2.0 QUICK ENERGY and EMISSIONS TOOL

This tool allows you to calculate Greenhouse Gas Energy Emissions or Sinks if you KNOW your Energy Usage; Its a Quick Use Tool.

Farm-Level Electricity and Fuel Inventory of Greenhouse Gas Emissions and Air Pollutants

Rocky Mountain Range And Forest Region, EL PASO County, Colorado,
EGRID Region: RMPA ,WECC Rockies

Greenhouse Gas Emissions from ELECTRIC use for this region are higher than the national average.

YEARLY FUEL USAGE Enter All Applicable	No. 2 Diesel	Gasoline	Propane	Biodiesel	Natural Gas	Electricity
	Gallons	Gallons	Gallons	Gallons	MCF	mmBTU
Current Year:	5000					77300
Projection Year:	3000					42888
CHANGE in USE	-2000 Gallons	0 Gallons	0 Gallons	0 Gallons	0 MCF	-34412 mmBTU

Your Diesel fuel usage will DECREASE by 2000 Gallons per Year. Because this value is NEGATIVE, this indicates a REMOVAL of Pollutants from the atmosphere.
Your Electric fuel usage will DECREASE by 34412 mmBTU per Year. Because this value is NEGATIVE, this indicates a REMOVAL of Pollutants from the atmosphere.

Change in Greenhouse Gas Emissions in Units of Pounds Per Year

	Projected Energy Savings	Diesel	Gas	Propane	Biodiesel	Natural Gas	Electricity
CO2 - Carbon dioxide	-18264735.5 lb/yr -90928.802 mmBTU/yr	-44768.000 -3294.886	0 0	0 0	0 0	0 0	-18219967.5 -87633.916
N2O - Nitrous oxide	-270.501 lb/yr -1.340 mmBTU/yr	-2.166 -0.049	0 0	0 0	0 0	0 0	-268.335 -1.291
CH4 - Methane	-232.369 lb/yr -1.151 mmBTU/yr	-1.861 -0.042	0 0	0 0	0 0	0 0	-230.508 -1.109
Energy Savings (mmBTU)	-9175.074 Tons CO2-E -90931.293 mmBTU	-22.726 Tons -3294.977 mmBTU	0 Tons 0 mmBTU	0 Tons 0 mmBTU	0 Tons 0 mmBTU	0 Tons 0 mmBTU	-9152.348 Tons -87636.31 mmBTU

Your GHG EMISSIONS will DECREASE by 9175 Tons CO2 per Year. Because your CO2 value is negative, this indicates a REMOVAL of greenhouse gas from the atmosphere. Congratulations, you have Energy savings based on your fuel use input. Your **Yearly Energy Savings** is US \$1574441 a Savings of 15464.5 barrels of Oil.

Change in Air Pollutants in Units of Pounds Per Year

SO2 - Sulfur dioxide	-25753.610 lb/yr -127.497 mmBTU/yr	-206.251 -4.620	0 0	0 0	0 0	0 0	-25547.359 -122.877
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