



# AGRICULTURAL BEST MANAGEMENT PRACTICES FOR WATER QUALITY PROTECTION

UTILIZING COST SHARE FUNDING TO IMPLEMENT VOLUNTARY  
INCENTIVE-BASED CONSERVATION

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# PROGRAM IMPLEMENTATION

## VOLUNTARY

### LOCALLY LED CONSERVATION

- ▶ DELIVERED THROUGH 96 LOCAL SOIL & WATER CONSERVATION DISTRICTS (SWCDS)
- ▶ NC SOIL & WATER CONSERVATION COMMISSION
  - ▶ SETS STATEWIDE RULES AND POLICIES
  - ▶ ALLOCATES FUNDS TO LOCAL SWCDS
- ▶ LOCAL DISTRICTS – SOIL & WATER BOARD
  - ▶ SET LOCAL FUNDING PRIORITIES,
  - ▶ RECEIVES AND RANKS APPLICATIONS,
  - ▶ DEVELOP CONSERVATION PLANS AND DESIGN PRACTICES
  - ▶ OVERSEE AND CERTIFY IMPLEMENTATION



# STATE COST SHARE PROGRAMS FOR VOLUNTARY INCENTIVE-BASED CONSERVATION



- AGRICULTURE COST SHARE PROGRAM (ACSP)
- AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM (AGWRAP)
- COMMUNITY CONSERVATION ASSISTANCE PROGRAM (CCAP)



# NC AGRICULTURE COST SHARE PROGRAM (ACSP)

- ▶ PURPOSE: REDUCE THE DELIVERY OF AGRICULTURAL NONPOINT SOURCE (NPS) POLLUTION INTO THE WATER COURSES OF THE STATE
- ▶ OVER 70 APPROVED BEST MANAGEMENT PRACTICES (BMPS)
- ▶ GENERALLY 75% COST SHARE
- ▶ BONA FIDE FARM
- ▶ IN OPERATION MORE THAN 3 YEARS

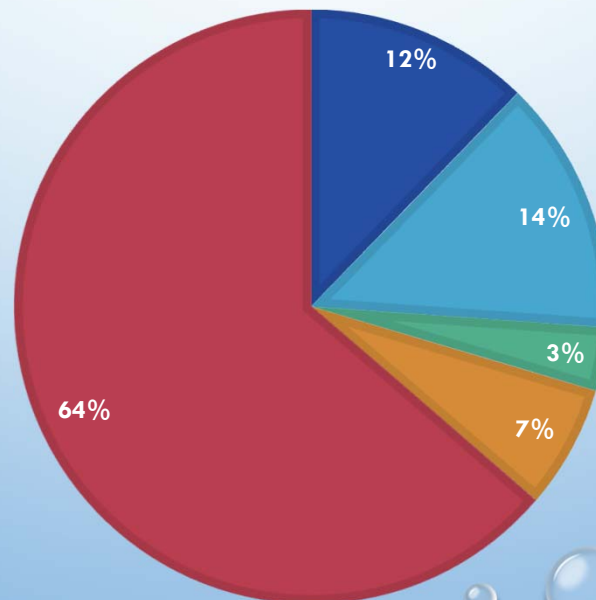




# MOST COMMON COST SHARED PRACTICES

**ACSP DOLLARS EXPENDED 2012-2017**

■ Waste Application Systems    ■ Agriculture Road Repair/Stabilization    ■ Agrichemical Handling Facility  
■ Streambank and Shoreline Protection    ■ Stream Protection Measures



# STREAM PROTECTION MANAGEMENT SYSTEM

- COMPONENTS OF THE SYSTEM CAN INCLUDE:
  - EXCLUSION FENCING
  - STREAM PROTECTION WELL
  - WATERING TANKS
  - HEAVY USE AREA
  - STREAM CROSSING
  - SPRING DEVELOPMENT
  - STOCK TRAILS & WALKWAYS
  - LIVESTOCK FEEDING AREA

























# WASTE APPLICATION SYSTEMS

- A WASTE APPLICATION SYSTEM MEANS AN ENVIRONMENTALLY SAFE SYSTEM (SUCH AS SOLID SET, DRY HYDRANT, MOBILE IRRIGATION EQUIPMENT, ETC.) FOR THE CONVEYANCE AND DISTRIBUTION OF ANIMAL WASTES FROM WASTE TREATMENT AND STORAGE STRUCTURES TO AGRICULTURAL FIELDS AS PART OF AN IRRIGATION AND WASTE UTILIZATION PLAN. COST SHARE FOR THIS PRACTICE IS LIMITED TO \$35,000 PER COOPERATOR IN A LIFETIME AT 75% COST SHARE AND \$42,000 IN A LIFETIME AT 90%.





# AGRICULTURE ROAD REPAIR/STABILIZATION


- REPAIR OR STABILIZATION OF EXISTING ACCESS ROAD UTILIZED FOR AGRICULTURAL OPERATIONS INCLUDING ROADS TO EXISTING CROP FIELDS, PASTURES AND BARNES.
- ROAD MUST BE AGRICULTURAL USE ONLY
- IF CONVERTS TO ANOTHER USE DURING THE MAINTENANCE PERIOD THE CONTRACT IS OUT OF COMPLIANCE
- 10 YEAR MAINTENANCE







# AGRICHEMICAL HANDLING FACILITY

- AN AGRICHEMICAL HANDLING FACILITY MEANS A PERMANENT STRUCTURE THAT PROVIDES AN ENVIRONMENTALLY SAFE MEANS OF MIXING AGRICHEMICALS AND FILLING TANKS WITH AGRICHEMICALS FOR APPLICATION AND STORAGE TO IMPROVE WATER QUALITY.
  - LIMITED TO ONE FACILITY PER COOPERATOR
  - 10 YEAR MAINTENANCE
- 



# AGRICULTURAL WATER RESOURCES ASSISTANCE PROGRAM (AGWRAP)

- ▶ PURPOSE: INCREASE WATER USE EFFICIENCY, AVAILABILITY AND STORAGE FOR AGRICULTURAL USES
- ▶ 8 APPROVED BEST MANAGEMENT PRACTICES (BMPS)
- ▶ GENERALLY 75% COST SHARE
- ▶ BONA FIDE FARM
- ▶ IN OPERATION FOR MORE THAN ONE YEAR



The background of the slide is a light blue gradient. It is decorated with several realistic water bubbles of various sizes. Some bubbles are located in the top left corner, others in the top right, and a cluster of larger bubbles is in the bottom right corner. The bubbles have highlights and shadows, giving them a three-dimensional appearance.

# AGRICULTURAL WATER SUPPLY WELL

A WELL MEANS CONSTRUCTING A DRILLED, DRIVEN OR DUG WELL TO SUPPLY WATER FROM AN UNDERGROUND SOURCE FOR THE PUPOSE OF: IRRIGATION, LIVESTOCK, POULTRY, AQUACULTURE, FREEZE PROTECTION, OR ON-FARM PROCESSING.






# COMMUNITY CONSERVATION ASSISTANCE PROGRAM (CCAP)

- ▶ PURPOSE: REDUCE THE DELIVERY OF NONPOINT SOURCE (NPS) POLLUTION INTO THE WATER COURSES OF THE STATE
- ▶ 17 APPROVED BEST MANAGEMENT PRACTICES (BMPS)
- ▶ GENERALLY 75% COST SHARE



# CISTERNS

CISTERNS ARE ABOVE OR BELOW GROUND STORAGE TANKS FOR RAINWATER HARVESTING SYSTEMS USED TO COLLECT, STORE AND REUSE RAINWATER. THEY ARE INTENDED TO REDUCE STORMWATER RUNOFF, ENCOURAGE RUNOFF INFILTRATION AND CONSERVE WATER.





## CITY OF HICKORY- PUBLIC WORKS



## LENOIR RHYNE UNIVERSITY – FRITZ BUILDING



The background of the slide is a light blue gradient with several realistic water droplets of various sizes scattered across it. Some droplets are in the upper left, some in the lower right, and others are smaller and more numerous in the center and bottom. The droplets have highlights and shadows, giving them a three-dimensional appearance.

## ABANDONED WELL CLOSURE

AN ABANDONED WELL CLOSURE IS THE SEALING AND PERMANENT CLOSURE OF A SUPPLY WELL NO LONGER IN USE. THIS PRACTICE SERVES TO PREVENT ENTRY OF CONTAMINATED SURFACE WATER, ANIMALS, DEBRIS OR OTHER FOREIGN SUBSTANCES INTO THE WELL. IT ALSO SERVES TO ELIMINATE THE PHYSICAL HAZARDS OF AN OPEN HOLE TO PEOPLE, ANIMALS AND MACHINERY.









The background is a light blue gradient with several realistic water droplets of varying sizes scattered across the top and bottom edges. The droplets have highlights and shadows, giving them a three-dimensional appearance.

## HOW TO APPLY FOR THESE PROGRAMS

**CONTACT YOUR LOCAL SOIL AND WATER CONSERVATION  
DISTRICT OFFICE!**





## FOR MORE INFORMATION

- CONTACT YOUR LOCAL CONSERVATION DISTRICT OFFICE:

[WWW.NCAGR.GOV/SWC/FINDYOURDISTRICT.HTML](http://WWW.NCAGR.GOV/SWC/FINDYOURDISTRICT.HTML)

- NCDA&CS DIVISION OF SOIL & WATER CONSERVATION

[WWW.NCAGR.GOV/SWCD](http://WWW.NCAGR.GOV/SWCD)

- RANDY WILLIS

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