

Conservation Tips

By M. Alan Walker
Soil Conservationist
USDA Soil Conservation Service

During the recent years, there has been an increase in the number of totally confined swine and poultry facilities. With this increase also comes an increase in the amount of manure that has to be dealt with in some manner.

The farmer has seen a rise in all aspects of his farming operation including equipment costs, leasing and chemical costs. The rising cost of agri-chemicals has re-kindled an interest in the use of agricultural waste for the supplemental form of fertilization. Many farmers apply poultry and swine wastes to their land without really knowing the value and benefits of this commodity.

For the most part, animal manures enhance plant growth. Experiments conducted between animal manures and the equivalent amount of nitrogen-Phosphorus-Potassium chemical fertilizers, for the most part, favored the manures. There are three

reasons given for the superiority of manures: First, there is an increase in the amount of decomposing organic matter that results in a slower release of major and secondary plant nutrients from soil minerals and from the manure; Second, there is an increase in the infiltration rate so much rainwater and irrigation can enter the soil; and, last but not least, there is a decrease in soil bulk density that results in a greater capacity for more air and water in the soil. The use of animal manures on cropland and grassland require the landowner to use good management practices. It has been proven that with a low level of soil management, the greater the crop response from manures over chemical fertilizers. Also, the higher the level of soil management, the greater the crop response from manures over chemical fertilizers. Also, the higher the level of soil management the more the manures can replace chemical fertilizers without sacrifice in crop production.

The concentration and amount of waste production are influenced by

many factors -- the type of livestock or poultry, bedding materials, housing systems, storage facilities, manure collection methods, treatment processes, and climatic conditions.

Swine manure contains more fluid than other manures. It contains nitrogen in its organic form, therefore it must be broken down or mineralized naturally for crop utilization. It is released slower to plants, therefore.

Bedding used in poultry houses contains little or no moisture so the total weight of manure to be removed is less. The nitrogen content is less due to ammonia loss.

The best results with manures have been applying the correct rate of manure and incorporating it into the soil after spreading, the loss of nitrogen to ammonia volatilization or phosphorus to rainfall runoff increases each day the manure stays on the soil surface.

Many swine and poultry producers may not know the concentration of nitrogen in these animal manures. Generally, a 1,200 topping pig operation will produce over 8,000 lbs. of available nitrogen per year and can be irrigated onto 42 acres of corn. This takes into account 75

percent nitrogen loss and irrigating at 200 lbs. per acre. An average turkey house containing 7,500 turkeys will produce 1,980 lbs. of available nitrogen per year and can be applied on 33 acres of corn. This also takes into account, 70 percent nitrogen loss and a 200-pound per acre application rate.

Remember that most crops are more efficient in their nutrition when a soil test has been made and the needed plant nutrients come from both manures and chemical fertilizers, the wise use and good management of animal wastes can prove beneficial to farmers to help supplement their chemical fertilizers and lower their fertilizer bills.

For more information or assistance
IN MEMORY OF
MR. DAN WILLIS NEWKIRK, SR.

November 26, 1985 ends one year of heartfelt sorrow.
Your memory we will forever keep
Some people are part of every life they touch
That is why you are missed.
We are grateful to God.
That he gave you to us to Love.
We Miss You.
The Newkirk & Carlton Families

concerning animal waste management, contact the Soil Conservation Service at 296-1958 or 296-1546, or come by the office in Kenansville.

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Phone 296-1781 523-0698 Kinston Exchange
Hwy 11 Main St. Kenansville, N.C.

DEATHS

ANNIE S. STROUD
KINSTON - Mrs. Annie S. Stroud, 89, died Friday. Funeral, Howard & Carter Funeral Home. Burial, Stroud family cemetery.

Surviving: daughters, Mrs. Charity Elizabeth Grady, Mrs. Christine S. Civils and Mrs. Marjorie Eugenia McDaniel, all of Kinston, Mrs. Annie Belle Lee and Mrs. Virginia Miller, both of Deep Run; sons, Woodrow Stroud of Deep Run. L.J. Stroud of Pink Hill; 19 grandchildren; nine great-grandchildren.

PRESTON WILLIAMS
BEULAVILLE - Preston Williams, 80, died Wednesday. Graveside service, Jones Chapel Church cemetery.

Surviving: several nieces and nephews.

JOHN H. DEVONE
MAGNOLIA - John Henry Devone, 93, died Monday. Funeral, Aqoram Baptist Church. Burial, Church cemetery.

Surviving: sons, David Devone of Long Island, N.Y., Hedderick Devone of New Egypt, N.J., Jimmy Devone of Hartford, Conn.; daughters, Mrs. Emma Stokes of Elizabeth, N.J., Mrs. Cenoria Jones of Windsor, Conn., Mrs. Mary Martha Moore and Mrs. Barbara J. Branch, both of Magnolia, Mrs. Leona Gibbs and Mrs. Myrtle Joanne Jones, both of Hartford, Conn., Mrs. Annie Mae Ehnhardt of Philadelphia, Pa.; sisters, Mrs. Catherine Stallings and Mrs. Annie Mae Pitts, both of Beulaville; 25 grandchildren.

CALLIE I. BROCK
KENANSVILLE - Mrs. Callie Inez Brock, 53, died Wednesday. Funeral, Community Funeral Home, Warsaw. Burial, Brock family cemetery.

Surviving: sisters, Miss Esther Brock of Kenansville, Mrs. Irene Carroll of Wilmington, Miss Gertrude Brock of Faison, Mrs. Eva Miller of Turkey; brother, Ransom Brock Jr. of Kenansville.

WILBERT E. HERRING
ROSE HILL - Wilbert Earl Herring, 58, died Nov. 15. Funeral, New Christian Chapel Baptist Church. Burial, Farrior family cemetery. Surviving: wife, Mrs. Edith Mae Herring of Great Neck, N.Y.; sons,

Earl Freeman Herring and Dennis Herring, both of Westbury, N.Y., Gregory Herring of Great Neck, N.Y.; brothers, William Ray Herring of Seat Pleasant, Md., Charles Herring and James Arthur Herring, both of Great Neck, N.Y.; Kenneth Herring of Copraque, N.Y.; sister, Mrs. Mary E. Fowler of Fayetteville; four grandchildren.

MARY SUSAN TEACHEY
WALLACE - Mrs. Mary Susan Teachey, 87, died Saturday in Rocky Mount. Funeral, First Baptist Church, Deep Bottom. Burial, Burton family cemetery.

Surviving: daughter, Mrs. Nettie Thorne of Rocky Mount; brothers, Hayse Burton and Alexander Burton, both of Wallace; sisters, Mrs. Gertrude Spearman and Mrs. Leaeette Pickett, both of Wallace; two grandchildren; three great-grandchildren.

PEARL W. SMITH
KENANSVILLE - Mrs. Pearl Williams Smith, 97, died Sunday. Funeral, Edgerton Funeral Home, Beulaville. Burial, Smith family cemetery.

Surviving: son, Eugene Smith of Richmond, Va.; five grandchildren; nine great-grandchildren; two step-grandchildren; three step-great-grandchildren.

BLANNIE HARPER
DEEP RUN - Blannie "Jake Sam" Harper, 85, died Saturday. Funeral, Garner-Howard Funeral Home, Kinston. Burial, Deep Run Free Will Baptist Church cemetery.

Surviving: daughters, Mrs. Sylvia Harper Baysden of Trenton, Mrs. Ruth Ann Harper Page of Deep Run; brothers, Milton Harper of Deep Run, Troy "Watt" Harper of Kinston, Monroe Harper of Cleveland, Ohio; sisters, Mrs. Leland Smith and Mrs. Mae Harper Sutton, both of Kinston, Mrs. Sallie Scott of Hollywood, S.C., Mrs. Eliza Johnson of Trenton; 11 grandchildren.

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Facts About The BIBLE BY JOHN LEHTI

THIS IS A DRAMATIZED VERSION OF FACTS TAKEN FROM THE BOOK OF AMOS, CHRONOLOGICALLY AND AUTHENTICALLY CONSOLIDATED!

THEY MAKE A LOT OF NOISE WHILE TELLING AMOS HE SHOULD NOT GO!

AGAINST THE ADVICE OF FRIENDS AND NEIGHBORS, AMOS, THE HERDS MAN, INTENDS TO ANSWER THE CALL OF THE LORD AND TRAVEL NORTH TO ISRAEL IN ORDER TO PREACH TO ALL THE SINNERS....

HOW CAN I DISOBEY THE LORD'S COMMAND?! I MUST WARN THE SINNERS IN ISRAEL THAT THEIR TIME IS SHORT!

HAVING MADE THE DECISION, HE LEAVES IMMEDIATELY, WHILE HIS FRIENDS ARE STILL PREDICTING DIRE DISASTERS FOR HIM....

THE WAY IS ROUGH AND WILD AS HE TRAVELS TO THE NORTH....

...AND THERE ARE MANY HIDDEN DANGERS ON A JOURNEY SUCH AS THIS, NOT THE LEAST ARE THE BANDS OF ROBBERS WHO WAIT IN THE WILD HILLS TO RELIEVE THE WEARY TRAVELER OF THE TASK OF CARRYING ANYTHING VALUABLE THAT HE MAY HAPPEN TO OWN!

Next Week
THE VIEW FROM A HILL!

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