

# Wheat harvest nearing end

(Continued from Page 1)

siad his big complaint about the wheat was how tough it was due to the high moisture level.

"The quality isn't bad," he stated, "but there is some real high moisture, one field was 13.8 per cent, and the rest were 14 per cent and up."

He added that there was some Winter freeze in the area and farmers had some trouble with grassy fields. He thought wheatgrowers were averaging 30 to 40 bushels per acre, stating that some fields were giving good yields and some were not.

From York County came the reports that the wheat too was of good quality but of high moisture content. One farmer commented that he wasn't sure that the wheat matured like it should have, and estimated an average of 35 bushels per acre in that county.

The wheat is estimated close to 60 per cent harvested in York County and farmers added that where the crop is thin, the timothy is coming up through and causing problems. Farmers appreciated the sunny weather allowing them to get the harvesting done, but complained of the high humidity telling that that did not help the high moisture content.

From the Chester County farmers came the reports of the same problems and conditions—the quality of the wheat is good but the moisture is high. There were also a few reports of some scab reported in different fields.

There the moisture seems to range from about 14 to 16 per cent. The area farmers estimated that about 75 to 80

per cent of the crop is already harvested with the rest soon to be done.

A good estimate of the yield in the Chester County area ranged from 25 to 50 bushels, with more on the low than the high side, as one man put it.

The prices of wheat, well, they're better than last year, but still nothing to write home about, was the way one man put it. Most of the farmers contacted told of getting anywhere from \$3.20 to \$3.40 per bushel for their wheat.

But one element of the wheat harvest and its effect will have to wait to be seen next Winter. Farmers thought that there was less wheat planted this year and that that was planted made less straw than would be in a normal year in many areas of Pa. Remembering how high prices of straw were over the past Winter, farmers speculated that this coming year straw might be the item to have on the Winter market, with good straw commanding a high price on the auction block.



## SILO HEAT LOSS

SILO HEATING CAUSES SEVERE ECONOMIC LOSSES IN CORN-SILAGE, GRASS-SILAGE, HAYLAGE AND HIGH MOISTURE CORN.

### WHAT ARE THESE LOSSES?

- +LOSS OF ENERGY (CALORIES) HEAT IS ENERGY!
- +LOSS OF VITAMIN A D E K AND OTHERS MOST VITAMINS ARE DESTROYED IN TEMPERATURES ABOVE 100 DEGREES UNTREATED SILAGE WILL RANGE FROM A MINIMUM 130 DEGREES TO A MAXIMUM OF OVER 200 DEGREES
- +LOSS OF DIGESTIBILITY OF PROTEIN THE HOTTER THE SILAGE GETS, THE LOWER THE PROTEIN VALUE
- +LOSS OF PALATABILITY BY POOR FERMENTATION CAN EASILY REDUCE RATE OF GAIN OR MILK PRODUCTION BY 25 PERCENT
- +LOSS OF SOLUBLE NUTRIENTS BY SEEPAGE HEATING RELEASES JUICE IN THE SILO IN THE SAME WAY AS COOKING MEAT AND VEGETABLES
- +SILAGE UNLOADS HARDER AND SLOWER BECAUSE EXCESS JUICING MATS IT DOWN AND ALSO RESULTS IN HARDER FREEZING

WHEN DO THESE LOSSES HAPPEN?  
IMMEDIATELY AFTER FILLING THE SILO THE FIRST 3 TO 7 DAYS ARE MOST CRITICAL DURING WHICH TIME THE HEATING REACHES ITS PEAK

WHAT CAUSES THIS HEATING?  
OXIDATION FROM THE AIR THAT IS BLOWN INTO THE SILAGE AND TRAPPED DURING FILLING AND THE OXYGEN CONTAINED IN THE PLANT THE DRIER THE SILAGE THE COARSER (AND HARDER) IT CHOPS THE POORER IT PACKS, THE MORE AIR IS TRAPPED, AND THE HOTTER IT GETS

WHY?  
OXYGEN IS WHAT CAUSES ANY FOOD TO SPOIL AND IT MUST BE ELIMINATED FROM THE SILAGE BEFORE PRESERVATION CAN TAKE PLACE IN THE NORMAL PROCESS OF ELIMINATION A CHEMICAL REACTION OCCURS IN WHICH OXYGEN COMBINES WITH READILY AVAILABLE STARCHES AND SUGARS TO LITERALLY BURN ITSELF OUT

DOES OXYGEN FREE SEALED STORAGE PREVENT THIS?  
OXYGEN FREE STORAGE IS NOT OXYGEN FREE UNTIL AFTER THIS OXIDATION PERIOD IS OVER COMMON SENSE TELLS YOU THAT JUST AS MUCH AIR IS TRAPPED DURING THE FILLING PROCESS REGARDLESS OF TYPE OF STORAGE THE SAME THING HAPPENS AS EXPLAINED ABOVE THE DIFFERENCE IS THAT ONCE THE FILLER OPENING IS CLOSED AND THE SILO IS ACTUALLY SEALED, NO ADDITIONAL AIR CAN ENTER SURFACE SPOILAGE AND SILO LEAKAGE IS NOT A PROBLEM

### STOP THESE LOSSES USE SILO KING

WHY DOES SILO-KING WORK?

SILO-KING CONTAINS A POTENT COMBINATION OF THE SAME ANTI-OXIDANTS USED TO PRESERVE HUNDREDS OF FOOD ITEMS IN OUR SUPER MARKETS SILO-KING ALSO CONTAINS A POTENT COMBINATION OF FOOD GRADE EXZYMES AND FLAVORS

THIS COMBINATION OF ANTI-OXIDANTS AND ENZYMES RESULTS IN A MUCH GREATER PRESERVATIVE EFFECT

THEY ABSORB THE ATMOSPHERIC AND HYDROLYTIC OXYGEN ENERGY IN THE SILAGE TO PREVENT THE INITIAL OXIDATION WHICH CAUSES THE HEATING AND THE LOSSES

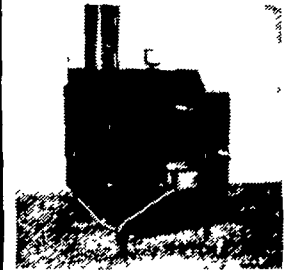
THEY ALSO UTILIZE MOISTURE AVAILABLE IN THE SILAGE TO HELP SYNTHESIZE MORE SOLUBLE SUGARS WHICH HELP PRODUCE A HIGH QUALITY, SWEET SMELLING SILAGE WITH EXCEPTIONAL PALATABILITY

BY REDUCING THE LEVEL OF OXIDATION, TEMPERATURE OF THE SILAGE IS MAINTAINED IN A RANGE OF 100 TO 110 DEGREES

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