

## Watch For Fermentation Problems In Silos

UNIVERSITY PARK (Centre Co.)— Weather conditions during most of the growing and harvesting season this year have resulted in an increased incidence of abnormal fermentation in haylages and whole-plant corn silages. In some cases, these ensiled crops have failed to ferment to any appreciable extent.

Richard Adams, Penn State dairy cattle nutritionist, says such problems may adversely affect feed intakes, milk production, milk fat test and/or health in dairy cattle. Abnormally fermented silages may contain more of certain acids, ketone bodies, amides, ammonia, and possibly toxic amines. If pH of the material does not fall to 4.8 - 5.0 or lower, more problems with mold, mycotoxins, clostridial enterotoxemias or botulism and listeria may occur.

Corn silages or haylages ensiled recently that have failed to ferment or develop acid probably should be resealed for two to three weeks to give them another chance, rather than expose them to the air through continuous use. The protein in whole-plant corn silage is not readily degraded or broken down in their rumen until it has undergone fermentation. Thus it is important to feed somewhat more total protein and, especially, soluble protein if fermentation failure occurs.

Avoid feeding material with a lot of mustiness, mold or putrefaction. Decayed or putrefied material often is brownish and somewhat slimy or sticky in nature and smells rotten. It can be a source of toxin-producing bacteria. Material that is heating or that heats in the bunk or manger often is not well enough preserved. Feed sufficient amounts to keep the problem at a minimum (usually 1 1/2 inches per

removal from upright silos). Feed more often during the day to keep heating and refusals at a minimum.

Abnormally fermented material often may have a smell that is quite volatile, acid or strong from

increased production of ammonia, ketone bodies or such acids as acetic, butyric, capric and caprylic. Such material may have to be fed at reduced levels to maintain appetites, production, fat test or health.

## Bedford Co. DHIA

(Continued from Page C7)

R Clair & Alan Koontz	B3	75.6	89.1	17,995	681
Laverne+Helen Shane	G8	108.8	86.5	18,731	671
CH&Ross Hershberger	B3	155.6	86.6	16,686	671
Chet & George Erb	B3	85.5	88.6	17,892	671
David H O'Neal	B3	60.3	84.5	18,448	668
Allenor Holstein Firm	3	128.7	87.4	18,731	667
John J Rissler	B3	35.8	86.6	19,575	665
Bernard Snider	B3	15.4	85.9	17,110	665
Allen Claar	B3	58.4	85.8	18,107	663
James Eshelman	G3	104.7	89.3	19,356	659
Dick&Eleanor Rice	G3	59.9	85.8	17,024	658
Greg & Betty Shaffer	G3	34.5	91.8	16,817	656
Derry L Over	B3	54.4	89.6	18,700	656
Ronald M Dively	B8	55.8	83.3	15,953	653
Denton Clark	B3	36.9	86.7	17,069	651

### Lactations

Allen Claar Nora	3	5-8	21,604	862
Allenor Holstein Farm Olga	3	7-1	21,307	878
Andy T Mohr Muffin	3	6-11	24,266	870

Arden Landis Bubbles	3	3-8	22,091	890
Brubaker & Mellott 333	3	5-0	22,562	939
Ch & Ross Hershberger 215	3	6-11	21,254	883
Daniel Smith 91	3	9-6	25,003	1032
Donald Bowser 321	3	6-7	25,844	1001
Garmandale Farm Bea	3	6-1	23,045	867
Gary & Margaret Long 1	3	6-5	23,882	854
Herbert Ritchey 49	3	5-2	21,080	867
Larry Beach 13	3	6-4	25,253	888
Lo-Jo Farms 89	3	4-6	23,010	963
Marlin Detterline 198	3	5-3	21,945	913
Meadow Creek Farm 96	3	6-11	26,482	1032
Obie Snider Aerial	3	4-3	24,102	896
Pa-Riss Holsteins 104	3	3-1	24,669	875
Paul & Steve Ritchey 165	3	6-5	26,338	1015
Paul I Detwiler 215	3	6-11	25,674	938
Paulden 41	3	4-1	26,070	853
Peg-Land 79	3	4-10	22,158	865
Phil & Cindy Steele Bootsie	3	7-10	20,617	867
R Clair & Alan Koontz Kitty	3	4-0	22,429	936
Raymond Yothers Clara	3	3-6	21,476	908
Stan-El Jerseys Bossie	4	11-10	14,496	792
Sunny Four Farm Inc Sour	3	4-4	22,110	975

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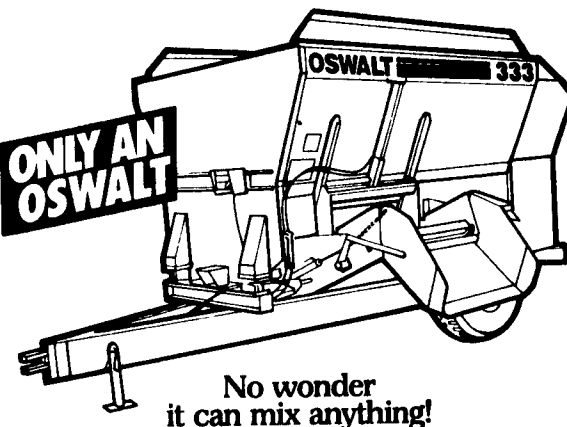
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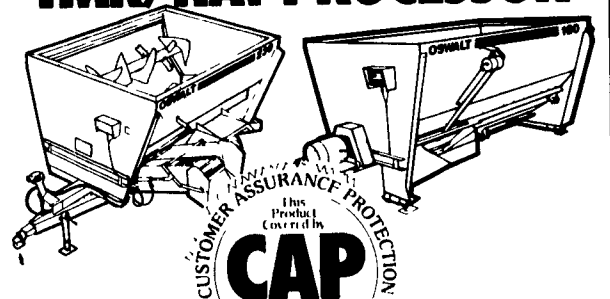
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