

Farm Business News

Burning alcohol can affect oil

UNIVERSITY PARK — Alcohol-fueled engines may need different motor oils with corrosion inhibitors, warns James W. Gantle, Penn State Extension agricultural engineer.

Garthe notes that a few years ago, there was a great deal of interest in homemade ethyl alcohol. At the time, the emphasis was on how to produce ethyl alcohol. Most do-it-yourselfers assumed that alcohol could readily replace gasoline in the tank.

"As we have learned since, alcohol fuel requires special attention if the engine life is to be equal to that when run on gasoline," he adds.

Engineers have found that unburned alcohol and water do not mix with the engine oil. Instead, the alcohol and water form a milky substance, called an emulsion. This emulsion causes poor lubrication and corrosion.

Alcohols and their corrosive combustion products attack metals such as aluminum, copper, and lead alloys. As a result, tiny pits or cracks become evident on

surfaces of engine components increasing engine wear. Garthe, says that alcohol also tends to decrease the effectiveness of oil additives.

Petroleum companies are working with engine manufacturers to come up with motor oils containing additives which will reduce these problems. Already some firms have developed oils that have performed well in field tests.

Finally, Garthe says, there are three safeguards to follow when using homemade alcohol fuel:

(1.) Change the oil and filter regularly to reduce emulsions and corrosives. Change the oil twice as often as usual.

(2.) Check with your local oil distributor to see what action his firm is taking in oil additives. A few questions may help manufacturers know where public interest lies.

(3.) Burn only the highest proof alcohol you can make. The higher the proof, the less water there is to blow past the piston rings and into the oil sump.

100 at CVC meeting

WALNUT BOTTOM — Approximately 100 farmers from the Cumberland Valley attended the C.V.C. Annual Corn Growers Meeting held at the Brookside Community Center in Walnut Bottom on Feb. 15.

The meeting was co-sponsored by the Cumberland Valley Cooperative, PAG Seeds, FMC Corporation, and CIBA-Geigy Corporation. John W. Schwartz, of PAG Seeds, spoke about the effect that plant populations of corn had

on yield potential. He also reviewed the P.E.P. program to check PAG hybrids against competitive corns.

Steve Fisher, FMC, directed his discussion on insect control in alfalfa corn with Furdan 10-G and Furdan 15-G. Jim Bear, C.V.C., spoke about proper soil sampling and the new corn starter fertilizer 10-30-10. John Mitchell, from CIBA-Geigy, explained the advantage of the use of Dual 8-E and new double Bicep for corn weed problems.

Stanford Seed winners



Donald and Florence Dulin, Clayton, Del., display hand-made tablecloth, a souvenir of Portugal. The Dulins, who farm 900 acres north of Dover with Donald's brother, son and two nephews, visited Portugal for a week in January as winners in Stanford Seed Company's Super Dealer Sweepstakes.



Two of the four tractor trailer loads of free-freight Mueller bulk milk tanks arrive at Rufus Brubaker Refrigeration, 614 Penryn Road. The freight savings, which range from about

\$400 to \$800, depending on the size of the tank, will be passed along to dairy farmers during special sales promotion.

Brubaker Refrigeration to open southern branch

PENRYN — Rufus Brubaker Refrigeration, 614 Penryn Road, is planning to open a branch sales and service center in the Wakefield-Oxford area to serve dairy farmers in southern Lancaster County, Chester County and northern Maryland.

The new sales and service office is expected to be in operation by the end of March.

In conjunction with the expansion, the Brubaker firm has announced the receipt of four tractor trailer loads of free-freight Mueller bulk tanks.

"The freight savings on the tanks will be passed along to customers," explained Ed Brubaker.

The free-freight tanks range in size from 600 to 2,000 gallons and the freight savings will range from about \$400 to \$800, depending on the size of the tank.

The free-freight promotion will continue as long as the special shipment of tanks are available, with a deadline of April 30.

The Mueller free-freight promotion featured 50 truckloads nationwide, with 14 coming into Pennsylvania, four of which were ordered by Brubaker.

The new manager of the southern Brubaker branch, which will be a complete sales and service center fully stocked with parts, will be Vic Leininger, who has four years experience with bulk tanks and nine years in the electrical, mechanical and refrigeration field. He will be moving from Mt. Joy to the Wakefield-Oxford area when the exact location of the branch is determined.

"The new branch will permit us to better serve the dairy farmers in southern Lancaster County, Chester County and northern Maryland, including travel savings for service calls," Leininger said.

Rufus Brubaker Refrigeration has been in business since 1946 and has been handling milk tanks since 1955. For the past three consecutive years, it has received the Mueller Golden Cooler Award honoring outstanding sales.

Employees of the firm, operated by Ed and Ken Brubaker, collectively have some 130 years of experience in the refrigeration industry. They include Miriam Myer, chief secretary; Marilyn Wiggins and Jane Hoover, parts; Ruth Brubaker and Janice Martin, bookkeepers; John Faust, installation foreman; Dennis Vandermark, electrical; Harold Hoover, service mechanic; Tim Lentz, installation mechanic; and Roy Dittenbach, salesman.



New manager of the planned southern branch center of Brubaker Refrigeration, Vic Leininger, center, is flanked by owners Ed, left, and Ken Brubaker.



Employees of Brubaker Refrigeration include, from the left, Ray Dittenbach, Miriam Myer, Jane Hoover, Marilyn Wiggins, seated rear; and Ruth Brubaker, seated front.

Farm Credit plans 3 meetings

LANCASTER — The Lancaster Production Credit Association and the Federal Land Bank Association of Lancaster will hold three joint annual stockholders' dinner meetings. The sectional meetings are scheduled for Tuesday, March 9 at the Prescott Fire Company, Lebanon, at 6:15 p.m.; Wednesday, March 10, at the Lykens Valley Steakhouse, Millersburg, at 11:15 a.m.; and Thursday, March 11, at the Historic Strasburg Inn at 11:15 a.m.

The election of two PCA Directors, three FLBA Directors and the 1983 Nominating Committee will be conducted at the meetings. Nominees for directors of the Lancaster Production Credit

Association are Galen Crouse, Stevens; Clarence Moyer, Manheim; Clinton Rohrer, Litz; and Jay H. Rohrer, Manheim. Homer Campbell, Elizabethville; Earl Keefer, Millersburg; Richard B. Lefever, Quarryville; Clarence Neff, Quarryville; B. Musser Forry, Manheim; and Kenneth Rutt, Quarryville, are the nominees for directors of the Federal Land Bank Association of Lancaster. Stockholders will be given copies of the 1981 Association financial reports and will hear a report from the General Manager, Carl A. Brown, who encourages all members to attend one of the scheduled meetings to exercise their voting privilege.