So. Central Pork Producers hear feed economics advice

GETTYSBURG - A meeting of the South Central Pork Producers Association was held last Wednesday evening here at the Adams County Extension Office. Featured speaker was Matt Parsons, Penn State Extension swine specialist, who spoke on formulating rations and the economics of feeding alternative feeds.

Parsons advised the group to change their feed rations when it necessary and economically sound. He has determined that 62.4 percent of the cost of finishing a farrow can be attributed to feed costs.

"Use of alternative feedstuff in swine diets has the greatest potential to alter profitability if incorporated into the finishers' diet...The next largest consumption of feed occurs in the grower phase followed by gestation and lactation," he stated.

When considering altering feedstuffs, it is important to consider what feed handling method you are utilizing, noted Parsons. "Buying a complete feed or mixing grain and supplement pretty much locks the producer into a feeding program. Mixing grain, soybean meal, and a base mix or the necessary mineral blend allows for more alternatives in the feeding program, but is also

Parsons stated that to determine the replacement value of a feed

ingredient, first balance a diet with the ingredient in question such as wheat, oats, barley, etc., and then compare it to a corn-soybean meal diet. It is important to balance the diets so that the energy and lysine values are equal. With given dollar values per hundred weight for the replacement feedstuff factored in against the amount of replacement ingredient required compared to the cost of a nutritiously equal corn-soybean meal ration, the economic feasibility of changing to that alternative feedstuff is revealed.

When questioned on the advantages of adding fat to the diet, Parsons said that researchers have found that when fat intake reaches more than 8 percent of the diet, weight gains go down and intake decreases.

However, he does recommend feeding fat to sows prior to farrowing if herd survival rates are below 80 percent. He has found that feeding 2.2 pounds of fat the last 3 to 5 days of gestation may increase survival by 5 percent

Also teeding fat during lactation is recommended when environmental temperatures are

of heavier pigs at weaning, that is still questionable, he said.

Some other areas to balance in sow feeding programs include adequate energy and protein levels, a calcium phosphorus ratio of 1:1 - 1:5: 1, and her Vitamin E and selenium needs. The greatest problem in lactating sows is meeting their energy needs and this must have primary consideration in any alternative feedstuff, said Parsons. Protein requirements also are high but this depends on the sow's stage of lactation.

Speaking briefly on the topic of antibiotic feeding, Parsons presented figures for percentage of improvement for average daily gain and feed over grain for the starter, grower, and finisher, with the greatest results being in the starters. He pointed out there have been better results with antibiotic feeding in the field trials than in experimental station trials.

Besides adjusting feed rations to lower production costs, Parsons outlined the effects of management on those feed costs.

"Adjust your feeders. By being only 3 percent off a feeder can waste up to a ton of feed per feeder per year," he admonished.
"Consider the weight at which you market your hogs. Heavier hogs are often less efficient.

"Keep a constant control of the environmental temperature of your buildings. A hog will expend energy to keep its body temperature constant. And finally, consider your genetic base. Look for feed efficient boars and gilts, those who gain rapidly yet remain lean."

Association President Róbert Hays conducted the business meeting which included a discussion of the Association's Spring Feeder Pig Sale and an announcement that their annual spring banquet would be held in Cumberland County this year.

Of primary importance was the call for an increase in the Association's membership. The State Association is offering a \$100.00 cash incentive to any local chapter that can double its membership before Keystone Pork Congress which is to be held February 18, 1982 at the Penn Harris Motor Inn, Harrisburg.

The South Central Pork Producers annual dues are \$5. Further information concerning membership may be obtained from Harry Hilbert, R2, Box 488, Littlestown, Pa., 17340. Any pork producer or interested persons in the Adams, Franklin, or Cumberland County areas are welcome to join.

(approx. 25 mile radius) high or for heavy milking sows. In these cases, sow weight loss may be decreased and weaning to a more complexed approach." FIREPLACE rebreeding interval may be INSERT reduced, he noted. As to the result

coñestoga

Wood Burning, **Bi-fold** Door Models Only

END-OF-YEAR DISCOUNTS

FREE DELIVERY with Purchase

Hydro-Heater: Free Standing or insert

Get Quality and Performance PLUS Affordability! -IN STOCK: -

- * COAL/WOOD COMBINATIONS
- * U.L. APPROVED MODELS * BAKER STOVES OR INSERTS
- Before You Buy, Give Us A Try

I&A STOVES

3753 E. Newport Rd., Gordonville, PA 17529 Rt. 772, ½ mile East of Intercourse PH: 717-768-8913

*** AIR COMPRESSOR *** SALES & SERVICE **DeVilbiss CURTIS** AND

CAMPBELL HAUSFELD ATLAS COPCO AUTOMAN

Introducing...

CURTIS 3 CYLINDER 2 STAGE 5 HP COMPRESSOR

Special *650

AUTHORIZED DEALERS FOR THE ORIGINAL STAUFFER PNEUMATIC WATER SYSTEM

- Benji Beiler & Ben Beiler Jr.,
- 134 Black Horse Rd., Paradise • E&R Plumbing (717) 354-5554
- Scenic Road Farm Supply
- Melvin Kauffman
- * FARM EQUIPMENT REPAIRS * MACHINE SHOP SERVICE

Belts & Pulleys, Roller Chain, Coleman Lantern Service, Hardware

Stauffer's machine shop

RD 3, Ephrata, Pa. Phone: (717) 733-4128 3/4 Mile South of Rt. 322 on Pleasant Valley Rd., Ephrata Exit New Rt. 222

Apply 'N' during growing season for maximum potatoes

ATLANTA, Ga. — Applying nitrogen fertilizer to potatoes during the growing season maximizes production and quality while reducing energy requirements, said a U.S. Department of Agriculture soil scientist.

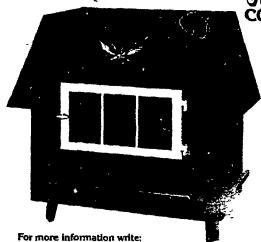
Dale T. Westermann, of USDA's Agricultural Research Service, Kimberly Idaho, said that application during, rather than prior, to the growing season of Russet Burbank potatoes is the most efficient way to use costly nitrogen fertilizers.

Speaking in Atlanta before the 73rd Annual Meeting of the American Society of Agronomy, Westermann discussed a study to determine how potato plant growth is affected by different nitrogen concentrations and how to monitor the crop's nitrogen status at different stages of growth.

"Our tests indicated that 60 to 80 percent of the nitrogen fertilizer should be applied during tuber growth-for maximum fertilizer-use efficiency. The rates of fertilization during this growth stage depend upon tuber growth rate,' said Westermann. Plants that need more nitrogen receive it.

To successfully fertilize during the growing season, Westermann said, "A grower should know and coordinate the amount of residual soil nitrogen, the rate and amount of nitrogen mineralized from soil organic sources and the nitrogenuse efficiencies with the nitrogen requirements at different crop growth stages."

The Warmth of Tradition... With a Modern Flair.



• 100% American Cast Iron

 Holds fire up to 30 hrs. per loading

 Thermostatically controlled

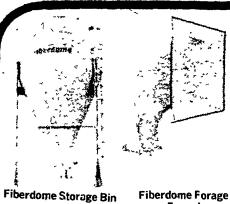
· Free standing, or fireplace installaion.

PEQUEA WOODWORKING

2704 BACHMANTOWN ROAD, RD 1, RONKS, PA 17572

Phone (717) 687-6763

Located 1/4 mile south of Rt. 30, Just off of Ronks Road Open Daily Mon. thru Sat. 8 AM to 4 PM; Fri. 8 AM to 8 PM



MADE TO LAST WITH FIBERGLASS — from FIRERDOME



Fiberdome Feed Cart

• The only all fiberglass feed cart
• Buff exterior, white gell coat
interior • 14 bushel capacity



Fiberdome Calfhutch

Insulation value warmth in wint

warmth in winter while remaining cool in summer • Hutches may be nested for compact storage • Hutches are

easily moved by use of firmly

imbedded I bolts • Studies show respirator problems disease and

calf mortality are reduced when hutches are properly used

FARM BUREAU

Mifflinburg, PA

717-966-1047

MONT-BUCKS FARM

Fiberglass is practically dentproof Stands up to long periods of hard use • Contents stay fresh because fiberglass absorbs little or no heat • Because there is very little condensation on the contents of material being stored Fiberglass is rust res Acids and salts can't hurt it

SERVICE INC.

Germansville, PA

215-767-3819 Bath, PA

215-837-6061

DEVRIEZE FARM

EQUIPMENT

Milanville, PA 717-729-7988

PHILLIPS FEED

Any Make Silo

Funnel

Economical to Use • Simple to Install • Easy to Operate • Eliminates Dirty Chutes • Directs Flow of Feed • Saves Wear on Silo Chutes • Adapts to Dept Mark Silo.

(4 93 Hectoliter) • Immune to silage acids does not rust • Easy to load, unload and sanitize • Tricycle gear With one swiveling caster • Length 68½" Width 31½" Hopper depth 23½" Tire Diameter 8" •

...made to last

P. O. Box 11 Lake Mills, WI 53551 For more information contact your nearest dealer

THOMAS DUNLAP Rt. 220, Jersey Shore, PA Terre Hill, PA 717-398-1391

GUTSHALL'S SILO REPAIR WORK

Womelsdorf, PA 717-933-4616

TERRE HILL SILO CO., INC.

BUREAU CO-OP ASSN. Souderton, PA 215-723-4355 215-445-6736

> SOLLENBERGER SILO Chambersburg, PA

717-264-9588