### Why Layers Need Calcium

According to Werner J. Poultry Digest, 5 to 7 per cent she can get by with two per of all eggs produced are broken during handling and mar-

The average egg shell conof calcium to put shells on weighs only 25 grams, she must put 20 times more calrum into shells than the enme calcium content of her

In 1960 the National Reof laying rations from 225 to other factors remain constant, 275 per cent A number of researchers were not satisfied that even this amount was sufficient Idaho workers, for, example, recommended a calcium level of 3 75 per cent for temperatures below 70 degrees. and 45 to 5 per cent for temperatures above 70 degrees

Simply increasing the amount of calcium in the feed is not the whole answer. The efficiency of calcium utilization is not 100 per cent If the feed is low in calcium, the hen may utilize up to 80 per cent of it. However, as the calcium content of the diet increases, the efficiency is reduced drastically and may go as low as 2030 per cent

A safe assumption is that about 50 per cent of the cal-



Order DEKALB PULLETS

Day Old or Up To

Twenty Weeks Old From DUTCHMAN

MILLS, INC.

R. D. 1, STEVENS, PA. **\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*** 

Top Dress Your Alfalfa Now

0-14-14

0-20-20

0 - 15 - 30

Use Our Spreader Service

ORGANIC PLANT FOOD CO.

GROFFTOWN RD., NEXT TO WATERWORKS Ph. 392-4963 or 392-0374

if the bird needs two grams at 55 degrees. of calcium a day, it is necessary to feed four grams.

rity, in the August issue of sumes 200 grams of feed a day egg size.

tains about two grams of cal- four grams. So it can readily ing used contains 39 per cent be closely identified with this rural-urban relations from the sium If a hen produces 250 be seen that it is the amount calcium, and it is desired to eggs per year she has a re- of calcium that the hen con- provide a feed with five per quirement of about 500 grams sumes that is important, not cent calcium, 250 pounds of ..ll of them. Since the total The smaller the feed intake, have to be added to each tonalcium in the hen's body the higher the per cent cal- of feed. cium must be to take care of The simple solution to this grees, and to increase the lev- many of whom are the county the hen's daily needs.

is another complicating factor shells or some other readily grees Care must be taken, he Farm-City Week will be an creased from 55 to 90 degrees, well for floor birds It becomes trients in adequate amounts acquaintance and understandsearch Council recommended feed consumption drops about more difficult when dealing to prevent a decline in egg ing between farm people and raising the calcium content one third Therefore, assuming with cage birds

ed in the diet at 90 degrees Of Farm-City Week cium is utilized. Therefore, must be one-third more than

The next problem is feed ture are individual variations culture, and John K. Tabor, consumption. If the bird con. due to rate of production and Secretary of Commerce, will

If her feed consumption amount of calcium in the diet general chairman. drops to 100 grams a day, she is that it upsets the balance must have a four per cent cal- of the other nutrients. For of Agriculture, today said Farm-City Week, has been accium diet to get her needed example, if the limestone be- both honorary chairmen will tive in this effort for better the percentage in the feed, the calcium supplement would plemental calcium then it

Environmental temperature calcium in the form of oyster As the temperature is in consumed form. This works warns, to include all other nu- occasion for encouraging better

Mueller recommends that if ability.

Two department heads in Two other factors that fur the state government-Leland ther confuse this calcium pic. H. Bull, Secretary of Agriserve as honorary co-chairmen The disadvantage of trying of Farm-City Week, Nov. 20- braces all Pennsylvaniana. to include the maximum 26, according to Jack R. Grey,

it is impossible to feed supcomplex problem is to feed el to 3.5-4 per cent when tem- agricultural agents. peratures are above 70 de-

for which is "Discover the New Pennsylvania through Farm-Ctiy Week."

Particular emphasis, stated will be placed upon the Commonwealth's program for promoting its economic growth, a project that em-

Secretary Bull, a former Grey, deputy state Secretary Pennsylvania chairman of time the movement originated ten years ago.

Appropriate activities are would be best to include 3-3.5 being planned in most Pennper cent in the mash when sylvania counties under the ditemperatures are below 70 de- rection of county chairmen,

An international observance, production, egg size, or hatch-city residents throughout the - United States and Canada.

## HORNCO FEEDS - - - The Growing Choice Of Business Farmers

# Do You Depend On Your Feed Serviceman To Guide And Help You?

If you are like many farmers you do, because a top notch serviceman can bring you valuable information, new ideas and extra profit.

### HORNCO SERVICEMEN ARE TOP NOTCH

They are thoroughly trained in the latest agricultural practices. They attend numerous meetings and spend many hours reading to increase their knowledge so they can better serve you.



Hornco Servicemen attending a poultry meeting.

## LEARN TO KNOW YOUR HORNCO MAN — HE IS EAGER TO SERVE AND HELP YOU!



Ask your neighbor what he thinks of his Hornco Servicemen.

D. E. Horn & Co., Inc. York, Pa. Ph. 854-7867