

SOLANCO FFA students this winter have been busy with a building project to en large their quarters at the school. The result is this bulding, which used to store machinery and equipment and to spray
paint when the weather gets warmer. The spreader in the foreground is one that the students assembled as part of their machin ery projects. (LF Photo)


## MARTIN'S LIMESTONE

Call us for Quick Service Ivan M. Martin, Inc.

Blue Ball, Pa.
Phones: Terre Hill Hillcrest 53455

## Eight Mathematical Steps Shew

 You How Much to Pay for LandFight mathematical steps (an, ference in soil tyoc or topogiaphy
how farmers how to answer the between prent and contemplated ghestion How much (an I pav pos acre for more land This fommald will determine annualient ol pur chase price
ARS agncultural economst V Huiburt devised an analvitica procerlure using intormation from inchivdual farm account book If successful lamme practice are followed and in there is no to, may use annual costs and turns obtaned fiom his personal husuness records Value of mesent land and bur dungs must be estmated belor chould be pard for additiona acleage Let's assume the farin has 190 acres used for rotation crops and 10 acres of bulding oi 200 acres valued at $\$ 45,000$ pievaing market prices To determme actual crop cos and returns co op and livestock en $t e, p n i s e s$ should be separatd on paper Labor machneiy and other costs represented in both livestock and crop poduction
chould be maluded as part ot ciop operations Then these eight teps can be followed to deter to spend for 1 enting or puichasme extra land

1. Add values of all ciops pro duced duning year Pasture may be figured at hay equivalent Let assume the value of all crops is 12,656
2. Obtain average value of pro dice per acre Divide the value of crops ( $\$ 12,656$ ) by the number of oation acres (190), omittin The answer ( S 6661 ) is also th estimate of additional returns from addne one equally productive acie Adjust for any wide dif.
arductd valable costs of crop anator and Estimated cost of op d if this is not alicadv in the coounts Add cost of famme lactices dssuming the sme s! on to to usca regarding lota wh, seedmg rertulization cultu ae and cioppmo Frised Cos usts total $\$ 4360$
4 Obtan avelage valable cos per acie Divide total variable costs ( $\$ 4.360$ ) by number of $10 t$ con acles (190) to find variable
$\therefore$. Estume ( $\$ 2295$ ) added land Divide curient hathet value of land and build ings ( $\$ 45,000$ ) by total numbe of acres (200) The answel ( $\$ 225$ ) educe the pel-dcre value to anhud cost, add one per cent to he farm mortgage interect rate and multuply the result by mar et value por acre (one per cent ius five per cent, times $\$ 22$

6 Detmine sate of refurn 0 ach dollat mrested Add the cos of the land per acre ( $\$ 1350$ ) to (\$22 95) Divide costs per acr (\$2295) Divide this total cost the product per acie ( $\$ 6661$ ) to cetermine the rate of return on each dollar mested The answe \& 51827
7. Determine maximum annua rent-that is rate of 1 eturn on ach additional acie Multuply the cust of th land per acre pe ear ( $\$ 1350$ ) bv the dollar rate this operator can aftord to pay for achtional land is (S24 66) pe cre annually, assuming the tuins will be the same as for pres (Continued on page foutern


Owners all over the country are impressed by the economical operation of the D-14. And low-cost work is only one of the benefits.

As soon as you take the wheel of a D-14, you, too, will realize that here is actually a new kind of farm power. Some of the reasons are -

- Power Director - high or low range, shift on-thego, 8 forward speeds, live PTO
- TRACTION BOOSTER system-implement weight transferred to rear wheels, less slippage, better economy
POWER-CRATER engine - newly designed to deliver full 3-plow power at rock-bottom fuel economy
Telephone... or stop in. Let us show you a free movie of this tractor at work.


## ALLIG-CHALMERS

## sales and service

L. H. Brubaker

Nissley Farm Service
Washington Boro, Pa.

## Snavelys Farm Service

New Holland, $\mathbf{P}$.

N. G. Myers \& Son<br>L. H. Brubaker<br>Rheems, Pa . Lititz, Pa.<br>Mann \& Grumelli Farm Serv. R. S. Weaver Quarryville, Pa.<br>Stevens, Pa.

