Of Nitrogen

earch shows

Available nitiogen in the figer recommendations How- crop need estimates could be im- plots were compared. proved by taking this residual pitrogen into account.

such nitrogen could also be geded after the fertilized crop narvested

ARS soil scientists point out that a significant amount of nitrogen remains after the first crop only when applicatmade on widely different soils at seven locations.

Spa Scientists On some plots, nitrogen on the second planting of corn fertilizer was applied in late was negligible 11/2 years later Study Carryover fall, and coin was planted the presenter interest not used by the were seeded to wheat or oats lost by leaching Instead was followed by a second coin carrover introgen may 512- (10p in the spring No addpheantl benefit a second or itional nitiogen was applied asing yields of corn third (10p, USDA re- on either the winter crop of the second corn crop.

Carryover effects of springsoil-unused by the previous and fall-applied nitrogen were erop-has been given little measured on the winter cover consideration in making fert- clop and the second coin Yields of fertilized ger accuracy of fertilizer- plots and unfertilized check

Spring Treatments Best

Spring applied ammonium nitrate, 200 pounds per acie, used by a winter cover crop increased average small grain dry forage yields 1,600 pounds and second corn crop yields 19 bushels per acre.

Fall-applied nitrogen increased small grain forage 100 rates are high. Tests were yields only 490 pounds per acre. The carryover effect of fall-spread nitrogen fertilizer

On some plots, nitrogen on the second planting of corn

Fall application also gave next spring. Other plots were lower yields than spring apptertilized in the spring just lications on the corn crop to before the corn was planted which the nitrogen was ap-Heavy application of no- After coin hanvest, all plots plied. The scientists calculated-on the basis of results first cion in a season isn't all as a winter cover crop, which from all tests-that all application is only 49 percent as effective as in spring in incre-

> Response to fall fertilization varied considerably between years, and was consistently greater in some locations than

These variations cannot be explained by differences in surface-oil texture or subsoil permeability researchers sav Not are the variations directly related to total amount of winter rainfall, runoff water, or water percolation into soil

The scientists do suggest, however, the greatest looses of nitrogen from percolation in winter may occur during mild weather that permits microbial activity.

In addition to ammoniam nitrate, plots were fertilized with either anhydrous ammonia, urea sodium nitrate or ammonium sulfate. No nitrogen source was consistently superior or inferior to others in the tests

NEW WHEAT APPLICATION DEADLINE IS JULY 2

Farmers who wish to be considered for a "new wheat farm" allotment for 1963 on a farm which does not have a wheat allotment should get in touch with the Agricultural Stabilization and Conservation Service County Office right away, Fred G Seldomridge, Chairman of the Lancaster County Agricultural Stabilization and Conservation Committee, said today. Such farmers have until July 2 to file applications for such an allot-

Under the wheat allotment marketing quota program, a "-new farm" is a farm on which there is no wheat acreage history, including acreage considered as wheat under the Conservation Reserve, for any of the years 1960, 1961, or

Crop Summary

(Continued from Page 1) year when the two crops grew in most areas the crop is off to a good start

Tomato growth almost it Boro area

While Lancaster County has blossom adequate soil moisture, most under normal.

Service said in its weekly crop (aused rapid maturity of field and weather summary that crops only three weather stations--Erie, Reading and Philadel- tinue to remain short. Hay phia -- report more than nor- quality was reported fair to mal rainfall for the growing good

sweet cherries were becoming week ending June 25, Pitts-

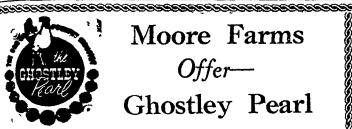
stands Sour cherry picking is in full swing this week Peach and apple growers refaster. Some tobacco crops, port good fruit sizing and Erie have just been planted, but grape vineyards are showing a zord set

A few fields of sweet corn ne tasselins in the south a standstill during the div Strawberry picking was in proweather early in June, are siess in the north but tapermaking excellent growth and in- off in central and southpicking of the staked crop has ein aleas. Tomatoes are begstarted in the Washington mains to form on vines and snap beans were coming into

Bailey combining started in Pennsylvania farmers are still central and southern counties looking hopefully for much Wheat was very near harvest needed rain. The central and in the soth, and combines have northeastern sections of the already been through some state seem to be hardest hit fields Corn was pushing well Altoona and Scranton report- in northern areas with a few ing more than five inches fields knee high Most of the state's oat crop is forming The State Crop Reporting heads Hot and dry weather

Hay fields and pastures con-

Philadelphia had While Housewives learned that four inches of rain during the plentiful at fresh market burgh reported only a trace.



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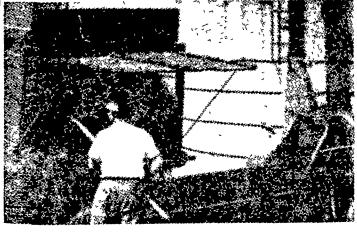
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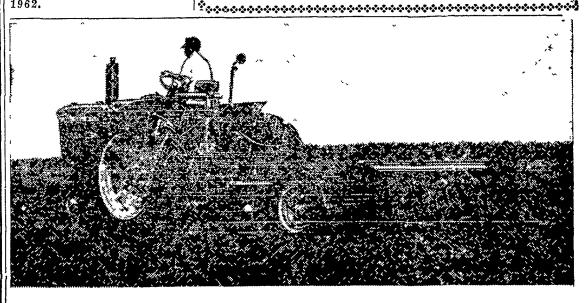
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