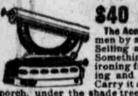
In the Field of Agriculture

CROPS NOT AFFECTED BY MOON | ter than in absolute darkness.

the soil in any way, neither does it fuence. affect the composition of the atmosphere. The only remaining way in which it could influence plant growth, therefore is by its light. Renormal daylight it thrives little bet-

50 PER MONTH and EXPENSES Salary or Commission-Introduc-ing our King Butter Separator. Produces best grade of butter from cream or milk, sweet or sour, in less than 5 minutes. Retails 5 up. Write for free sample and salary proposition. De King Mfg. Co., Dept. 290, Chicago, Ill.



840 a Week for Agents

One application soothes and heals a rough' pimplyskin, and, when repeated, quickly effects

ACORN BRASS MFQ. GO. Dept. T. Chicago, III.

a cure. Eczema, Erysipelas, Tetter, Ulcers and all skin diseases yield to its curative properties. 50c. a box. At all Druggists.
ad for free sample and book, "Health and Beauty." JOHNSTON, HOLLOWAY & CO., 1728 Spring Garden St., Phila., P

ust Out-Brand new invention-splendid seller-Light Deflector for Auto Headlights. Puts lights on the road instead of in other people's eyes. Not a dimmer—increases driving light. Cuts Cuts Needed-wanted on out all the "glare." every machine. Simple, Easy to put on. No adjustments—no knobs to turn—lasts as long as the car. Fully Patented. Low in price—sells like lightning. LISTEN: you can make

\$45.00 to \$125.00 Weekly Johnson, Ohio, cleared \$22 first day. Allei Wash, made \$25.60 one afternoon. Hin-kle, Wisc., "Best article I ever sold." Walker, Kans. writes, "Double my order and ship C.O.D." Gorman, Iowa, wires, "Ship gross quick, whing money. Sold 19 today." Profit \$30.40. Hurry, got 19 today." Profit \$30.40. Hurry, get some of this money yourself. Wiley, Ga., reports 11 sales the first day. Millara, Ohio, says "Everybody wild over Deflector." This is your chance to make money. Don't hesitate a minute. No charge for territory — sales guaranteed — you can't help but make money. SEND NO MONEY just write for full details. Address the

Hickmyer Deflector Co., 437 S. & B. Bldg., Toledo, Ohio. Hurry! Write today for details.

crops than it has upon the tempera- part can not have any effect at all. It ture or the amount of rain or the is therefore a mere waste of time to winds or any other weather element, think about the moon in connection says the United States department of with the planting of crops. The moon, agriculture. The growth of plants say the scientists, has nothing more depends upon the amount of food in to do with this than it has to do with the soil and in the air than is avail- the building of fences, the time for able for them and upon temperature, killing hogs, or any other of the inlight, and moisture. The moon obvi- numerable things over which it was ously does not affect the character of once supposed to exert a strong in-

DISKING AHEAD OF THE PLOW

Disking land before plowing is cent experiments, however, show that one of the things which all farmers, full daylight is about 600,000 times but particularly those located on the brighter than full moonlight, yet high-priced corn-belt land, should when a plant gets 1-100th part of practice. Some men have found it profitable to disk blue grass sod, but the practice has its greatest advantage when applied to stalk and stubble land.

The soil will absorb more water when it is disked before plowing. This has been a very important point in recent years when the soil has seldom been soaked with water. The more water stored in the soil, when the crops are put in, the larger will be the return if the season is dry. The thorough mixing of the stalks, stubble and other surface organic matter with the soil, which results from the disking, is very advantageous. On stalk land, particularly the weighted disk takes the place of the stalk cutter and this at the same time thoroughly mixes the organic matter with the soil. A disk may and fresh grass. also be used to cut up green manure crops before turning them under and brings about a more thorough mixciples in plowing any land is to thor- years ago. oughly mix the stalks, grass or trash with the surface soil, and this is greatly favored by disking in advance of the plow.

be turned with a plow in such a way than where the disking is not done. The land plows more easily and the pulverization is at the same time more thorough. The disk harrow is one of the most valuable of farm implements, and its use in advance of the plow is just as important as its use following the plow. - Missouri Experiment Station.

FLEA BEETLES INJURING VEG-ETABLES

Many complaints have come to the college of agriculture of the University of Nebraska in regard to the flea beetles that are eating the leaves of radish, cabbage, and other vegetables of this family at the present time. flea beetle, a small, shiny, bluishblack species, and another kind, known as the striped flea beetle. which has a small yellow stripe on each side of the back. When the beejump away like fleas. They can be driven away from gardens by dusting with finely sifted ashes or airslaked lime. To each pint of the finely sifted ashes or lime add one teaspeonful of kerosene or two finely crushed moth balls. Mix thoroughly and dust the mixture on the plants ing on cabbages, most common of largest farms.

If which has been punched with many 1-100th part of normal daylight is small holes. If one cares to handle Scientists are now convinced that thus too little to stimulate a plant, it poison, the insects can be got rid of the moon has no more influence on seems quite certain that a 600,000th on radishes or turnips by the use of Paris green, using one part Paris green to 10 parts flour or air-slaked lime. Mix thoroughly and place in a are disposed of before they have had cloth sack. Shake the sack over the a chance to hide themselves inside of plants during the early morning. while the dew is still on the leaves.

WHY MILK AND BUTTER ARE SOMETIMES YELLOW

The belief that a bright yellow color in milk means richness in quality to go over the patch occasionally, is not true. Experiments conducted applying a puff or two into the heart at the college of agriculture of the University of Missouri show that the of the worms. change from white cream and butter in winter to yellow cream and butter in spring and summer does not indicate an increased fat percentage. The very highest colored milk that a cow can give may have the lowest fat percentage. Such a condition is found at night for the most part, says the in the so-called colostrum milk, the first milk that a cow gives after giving birth to a calf.

The explanation of the wide difference between the results of the experiments and the popular belief in concealed just beneath the surface regard to the relation of color to of the ground near tender parts of richness lies in the cause of the natural yellow color of cream and butter. It was found that cows were not necessitate hibernation in the soil or able to produce the yellow coloring matter for their cream and butter. The coloring matter must be derived The damage is more noticeable at from the feed. The yellow coloring that time for the cutworms are fair matter of milk was found to be iden- sized, hungry, and vegetation is tical with a yellow coloring matter scarce. After a time the caterpillars that is widely distributed in plants reach their full size, go into the soil

carrot, where it is very abundant, mous numbers of these cutworms. ing of this organic matter with the and where it was first discovered by soil. One of the fundamental prin- scientists more than one hundred caught at night by placing a light

and butter in winter and spring was much as the females do not fly far found to be due to the fact that the before laying the eggs. It will rewinter feeds contain little or no car-Land with a pulverized surface can otin. No marked increase in the fat percentage accompanies the increase as to give a much better seed bed in color when foods rich in carotin are fed. It has been shown that the average cow gives a higher per cent soil. A reliable remedy is the poiof fat in its milk during the winter than in the spring and summer.

in Nebraska this year has been the for several hours before using. In agricultural observation tours taken infested fields scatter broadcast, in in the respective counties for the pur- the evening, pieces of this bait the pose of focusing attention to some size of two or three fingers together. special method or practice of special In gardens, stre .. the pieces along the value to local agricultural conditions, bases of the plants being attacked. says the United States department of agriculture. Silo excursions were held in five of the counties, and they were followed with very excellent results. In western The beetles that coem to be doing and especially in Dawes county, the Nebraska, most of the damage are the cabbage number of silos has more than doubled following these observation tours. The growing of sweet clover and the value of alfalfa were also made objects of special excursions. As a result a great deal of sweet tles or the leaves on which they are clover will be put in on sandy soils in working are touched, the insects Madison county, and the method of obtaining stands of alfalfa will also be followed out in all parts of that county and in other counties.

GREEN CABBAGE WORM

Several species of worms are feed-

worm, larvae of the white butterfly, says a writer in the Practical Farmer. In small patches they are often very annoying and destructive, yet controlled with comparative ease by prompt action. They readily submit to the free application of almost any dust-like material, such as insect powder, fresh lime, tobacco dust, wood ashes, road dust, etc., or of any poisonous or corrosive spray, like kerosene emulsion, hot water or hot soapsuds, whale oil soap, sprays containing arsenical poisons, etc. First point of importance is that worms the folds of the leaves of the young head, especially around and near the stem or heart. For the home grower or small market gardener, an easy way is to carry a small (hand) powder gun loaded with some good insect powder, buhach being best, and of each plant. This quickly disposes

CUTWORM CONTROL

Cutworms are the naked, greenish or dusky larvae of a number of species of dusky-winged moths that fly New Mexico college of agriculture.

The usual life history is as follows: The eggs laid by the moths in late summer hatch into small caterpillars, or "cutworms," which lie plants. They feed mostly at night. Later cold weather and lack of food under rubbish, weed piles, etc. In the spring, feeding is resumed again. to pupate, and late: emerge as moths This coloring matter is called car- to lay more eggs for later genera-It takes its name from the tions. Alfalfa fields harbor enor-

Control: Many moths may be above a tub of water. This will not The difference in the color of cream reduce the number of cutworms duce the nuisance of having the moths in such large numbers about the house. Water standing 6 or 8 hours on an irrigated field should kill many of the cutworms in the soned bait made as follows: Mix 1 pound of Paris green with 25 pounds of dry bran. Add 2 or 3 quarts of OBSERVATION TOURS VALUABLE molasses to 5 or 6 gallons of water and stir the mixture thoroughly into A feature of the county agent work the poisoned bran. Let this stand

LARGEST FARMS MOST PROFIT-ABLE

Results of the farm survey work conducted co-operatively in Gage county, Nebraska, by the United States department of agriculture and the Agricultural Extension service of the Nebraska University farm, show that of the 54 farms having their business analyzed, the 10 most profitable ones were almost three times larger than the 10 farms making the least returns. In spite of the common belief that the small farm is better and there is more opportunity to take care of the crops, secure better yields, and consequently make more money, the largest yields and the largest profits were found in the The average labor which is the so-called green cabbage income of the best 10 farms was \$1,