Tractor Traffic

MecDonald's farm have a lot in the crop is planted, sprayed for common these days-they both weed and insect control, cultivathave traffic problems.

On the farm, it isn't the noise, often compressed by traffic. the number of vehicles, the screeching of thes. of the crash of meny trips across the fields.

tractor traffic compacts the soil, journess of compaction. irh.oits 100t growth, and reduces yields

ment control

planting low crops in this country is to plow with a moldboard harrowing operations, the har- of seed cotton. 10w and the wheels of the tractor recompact the soil without lows Often lows are planted keep in mind when making rec-

La se urban sprawls and old directly over wheel tracks After ed, and harvested as much as 70 the number of passes should be property damage. percent of the soil surface is minimized;

A 3 year study at Auburn, Ala. fenders Rather, its the increase by ARS agricultural engineer same path throughout the seaing weight of the tractor and its A W Cooper, soil scientist A. C. son: Trouse, Jr, and agricultural engineer W. T Dumas of Auburn Evidence shows that heavy University pointed out the ser-

tilled to a depth of 18 inches and other mechanical preparation To avoid these problems, agii-bedded Areas where the wheels can become a reality in some according to the safety specialist, of newly stored has cultural engineers are seeking ran were untilled, but the soil ways to seed without mechanical was tilled in every other interso I p.eparation or to at least 10w space. In the spring, cotton inches deep and disk harrowed

Roots penetrated farther in the plow, disk harrow two or more deep-tilled plots and the yield times, and plant During the was greater by about 400 pounds

Some considerations that agrinegard to the location of the cultural engineers at Auburn

ommendations for designing and using farm equipment are:

- the same path as the front wheels:
- eration should be maximized;
- Fixed travel paths should be plowed.

In the fall, a test plot was be controlled, seeding without average city. soil types

> The advent of automatic guidmore than the width of the and poisonings," Burke says. wheel

Fire Prevention

Each year, according to Na-dust tional Safety Council statistics. • The width of the wheel path, farm fires result in the loss of weeds, brush and old lumber. the weight of the equipment, and 500 lives and \$200 million in

The Council particularly stres-• The area treated by the op- ses prevention of farm fires since feet from buildings fire damage to farms and rural greater than in the average city tal containers

Department, explains that it tak- wind is calm Cooper says that if traffic can to the scene than it does in the make necessary repairs

is clutter.

neduce traffic by proper equip- was planted and later compared ance systems will hasten the day about, offering an open invitation fire. to cotton in adjacent plots where when it will be possible to limit to files-not to mention falls, The most common system for the entire surface was plowed 6 tracks through the field to little cuts, bruises, shocks, splinters, buildings, and on tractors, self-

Preventive measures, Burke and trucks.

says, are relatively simple if done routinely:

• Wheeled equipment should have rear wheels that move in Stressed By NSC —Keep buildings free of unhave rear wheels that move in -Keep buildings free of unaccumulations of chaff, straw and

-Rid the farmstead of diy

-Keep paint rags in metal containers

-Store farm fuels 40 or more

-Keep small quantities of • All units should follow the property is three to six times fuels in sturdy, well-marked me-

> -Buin rubbish at a safe dis-Jack Burke, a program spe-tance from buildings and other cialist in the Council's Farm combustibles, and only when the

> es longer for fire fighters to get —Check electrical systems and

-Watch smoking in buildings. -Check daily the temperature

-Place portable heaters away "Stuff piles up or is strewn f.om anything that could catch

> -Place fire extinguishe s in propelled harvesting machinery

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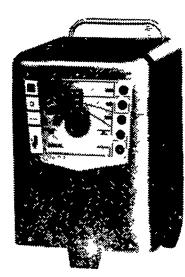
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