

DRAWBAR PERFORMANCE MAXIMUM POWER IN SELECTED GEARS					
Power Hp (kW)	Drawbar pull lbs (kN)	Speed mph (km/h)	Crankshaft speed rpm	Slip %	Selected Gear
147.28 (109.83)	17115 (76.13)	3.23 (5.19)	2162	11.17	4th (2-L) Gear
150.40 (112.16)	12934 (57.53)	4.36 (7.02)	2100	7.24	5th (2-l) Gear
152.96 (114.06)	11420 (50.80)	5.02 (8.08)	2100	6.09	6th (3-L) Gear
152.33 (113.59)	10283 (45.74)	5.56 (8.94)	2100	5.46	7th (2-H) Gear
152.72 (113.88)	8397 (37.35)	6.82 (10.98)	2099	4.35	8th (3-l) Gear
149.23 (111.28)	6495 (28.89)	8.62 (13.87)	2100	3.38	9th (3-H) Gear

Newer tractors

(Continued from Page 35)

9½ times more strain on a transmission when a tractor is operated under continuous load at 2 mph as compared to one being run at 6 mph."

It takes basically the same drawbar horsepower, but much less draft load, to pull a 20-foot disk at 5 mph as it does to pull a 25 foot disk at 4 mph. Therefore, even if the farmer works the same number of acres, from a tractor reliability standpoint, it is to his advantage to farm faster with the smaller implement.

The question of traction. Most problems of excessive wheel slippage occur when tractors are overloaded at the drawbar and required to go lower travel speeds (4 mph or less). But, by farming at higher travel speeds with the proper sized implement, the result is lower draft forces and improved traction. J I Case researchers suggest farmers always match implements to the power of the tractor so that you can travel is 5 mph or faster. Ideally, the implement is

then sized correctly to the tractor.

There are some field conditions that will necessitate a slower than 5 mph speed.

Additional points worth remembering for getting the most production out of higher horsepower-to-weight tractors are:

1. Less weight on a tractor

means a reduction in rolling resistance and, consequently, less effort required to propel the tractor through the field. When increasing rolling resistance by overweighting the tractor, it soaks up drawbar horsepower at an alarming rate and wastes fuel.

2. Less total tractor weight reduces soil compaction and can result in greater yields and increased returns at harvest time.

DOES YOUR FARM EQUIPMENT HAVE DIESEL PROBLEMS?????

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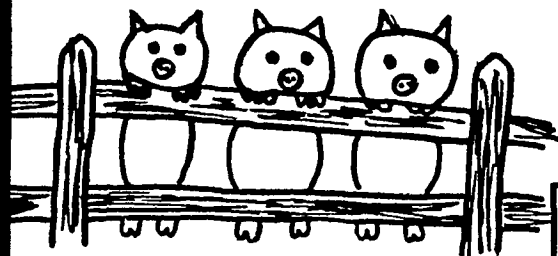
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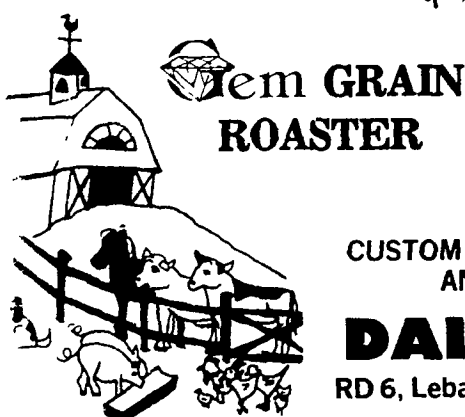
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3. Most 2 and 4-wheel drive tractors equipped with cabs and protective frames since October 26, 1976, have a pre-established maximum permissible working weight limitation posted inside the cab for roll-over protection. Farmers should never exceed these maximum recommendations when adding weights or ballast to their tractors.

How Fast Do You Farm?

When farmers are asked, "How fast do you farm?" ... the most common answer is "As fast as I can!" Considering the pressures and time limitations farmers have to cope with in their farming operations, this is an obvious answer. But as Case researchers point out, if he is not working his modern high horsepower-to-weight tractor at the optimum speeds, he probably is losing valuable field time.

The high horsepower-to-weight tractors are here today and in many varied forms for farmers to utilize in their operations. And the future undoubtedly calls for even higher horsepower tractors - both 2-wheel and certainly 4-wheel drive tractors.

Right now, some manufacturers are talking about 5 to 7 mph farming. Within the next decade we could possibly be basing our farming operations on 8 to 10 mph tractor working speeds.

Those future tractors will be specially engineered for increased operator comfort and will include sophisticated control systems that will compensate for the higher speeds.

A farmer who believes in the Rapid Farming System, and puts it to practice, will improve his productivity - lower his farming costs - and

Demonstration set

WEST CHESTER — A workshop on Greek Cookery will be held on December 6, from 9:30 to 11:30 a.m. at the Chester Co. Federal Savings and Loan Community Room, Market and High Streets, West Chester.

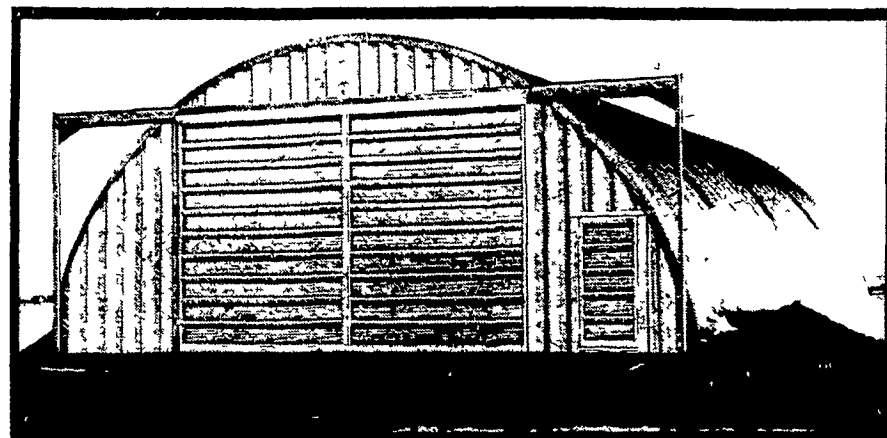
Included will be an introduction to Greek cookery with the demonstration focusing on the preparation of a main dish and a dessert. It will be presented by Dorothy Karabetsos Daily.

This is a free workshop, but those attending must pre-register by December 4.

realize a greater return on his tractor and implement investments; Case researchers conclude.

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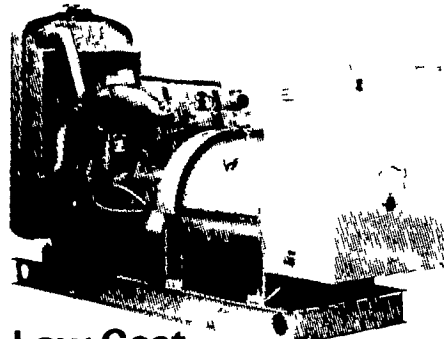


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