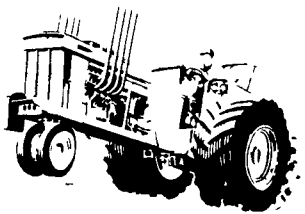


Tractor Pull Tally



Tractor Pull Results

Buck, Pa.
Saturday, August 18
5 Mod

1. Craig Luckenbill, Schuylkill Haven, PA, Chev. FP/267.4; 2. Gary Mills, Fallston, MD, Turbine, FP/266.4; 3. Bill Haines, Rising Sun, MD, 427 Chev. FP/disq.

58 FWD

1. Howard Lewis, New Carrollton, MD, Chev. FP; 2. Ed Hanslovan, Morrisdale, PA, Chev. 296.3; 3. Ronnie Lowry, Lovettsville, VA, Chev. 260.2.

7 Mod

1. Todd Will, Central City, PA, Allison, FP; 2. Willard Will, Central City, PA, Allison, 277.10; 3. Curt Luckenbill, Schuylkill Haven, PA, Chev 274.10.

62 FWD

1. Dan Fellenbaum, Lititz, PA, Chev. FP/104.2; 2. Howard Lewis, New Carrollton, MD, Chev. FP/42.5; 3. Ed Hanslovan, Morrisdale, PA, Chev. 290.6.

9 Open

1. Willard Will, Central City, PA, Allison, FP; 2. Earle Henderson, Baldwin, MD, Packard, 286.10; 3. Todd Will, Central City, PA, Allison, 274.8.

Tractor Pull Results

Buck, Pa.
Saturday, Aug. 25, 1984
7 S. Stock

1. Bert Stauffer, Ephrata, Pa., Deutz 8-006, F.P.; 2. Coleman Wheatley, Bethal, Del., J.D. 4240, 288.3; 3. Tony Stauffer, New Holland, Pa., Deutz 9006, 287.4.

5 Mod.

1. Willard Will, Central City, Pa., Allison, F.P.; 2. Bill Haines, Rising Sun, Md.; Chevy, 251.1; 3. Gary Mills, Fallston, Md., 243.7.

58 4WD

Ron Lowrey, Lovettsville, Va., F.P.; 2. Howard Lewis, New Carrollton, Md., Chevy, 298.8; 3. Bob Minnick, Winchester, Va., Chevy, 296.3.

9 S. Stock

1. Dale Smoker, Cochranville, Pa., AC-D-21, F.P.-256.0; 2. Coleman Wheatley, Bethal, Del., JD 4240, F.P. 253.4; 3. Coleman Wheatley, Bethal, Del., JD 4240, F.P. 252.9.

7 Mod.

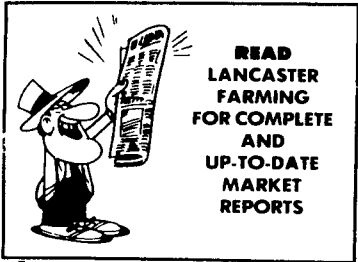
1. Willard Will, Central City, Pa., Allison, 297.9; 2. Bill Haines, Rising Sun, Md., Chevy, 268.7; 3. Curt Lukenhill, Schuylkill Haven, Pa., 259.6.

62 4WD

1. Howard Lewis, New Carrollton, Md., Chevy, F.P.-294.11; 2. Dan Fellenbaum, Lititz, Pa., Chevy, F.P.-294.9; 3. Bob Minnick, Winchester, Va., Chevy, F.P.-290.5.

9 Open

1. Willard Will, Central City, Pa., Allison, 256.0; 2. Todd Will, Central City, Pa., Allison, 254.7; 3. Mike Stifler, Jarrettsville, Md., Chevy, 246.6.



Sharp knives reduce chopper fuel costs

NEWARK, Del. — Delaware farmers harvest about 5,000 acres of corn silage annually, and the hum of forage harvesters chopping the '84 crop will soon be heard on Delmarva. Keeping knives sharp and the shear bar adjusted is the key to harvesting silage efficiently. Keeping hands and feet out of moving machines is the key to harvesting safely.

Silage choppers can use more fuel per acre than it takes to grow the crop, says University of Delaware extension agricultural engineer Tom Williams. Power requirements to operate these machines can be as much as 2.5 horsepower hours per ton. But by keeping knives sharp and the shear bar adjusted for minimum clearance, farmers can reduce fuel use by 20 to 30 percent.

Sharpen knives at least once a day—more often if the forage is extremely dry, advises Williams. Adjust the shear bar to the minimum recommended clearance every time you sharpen the knives. When the center of the shear bar wears beyond the clearance limits, reverse the bar to expose a new edge, or replace it with a new one. Tungsten coated bars wear more slowly.

"If you notice the load on the engine increasing, it's probably time to resharpen," the specialist says. "Since you spend a lot of time of this maintenance chore, the ease with which it can be done is an important consideration when selecting a new machine. Hydraulic or electric knife grinders and simplified shear bar

adjustments on current forage harvesters leave little excuse for not keeping the cutter in top condition. Fuel savings and improved cutting will more than make up for the time spent sharpening and adjusting."

A sharpener should be able to grind the entire length of the knife, Williams says. Grinders that can't sharpen the ends make minimum clearance adjustments impossible in the center of the knives. It's not necessary, however, to remove every nick and dent so long as there's a good cutting edge along the knife's length.

Wear eye protection when sharpening knives, especially if any shields have been removed, Williams cautions. Keep hands, arms and head away from the opening, and don't let anything fall into the knives. Block the cylinder cutterhead when repairing or replacing knives so that it doesn't move unexpectedly.

"Because the knives are free wheeling and continue to rotate after the power has been shut off, you may be tempted to shove a broom handle or stick into them to bring them to a quick stop when you're in a hurry. Don't do it," Williams warns. "Your hands can be jerked into the knives, or chips of wood can be thrown back at you. Always let the knives come to a complete stop on their own."

The length of cut also greatly affects fuel and power requirements. Going from a 1/2-inch to 1/4-inch cut will increase power requirements by about one-third. Energy isn't the only factor

to consider, though, when choosing cutting length. Other considerations are storage quality in the silo, limitations of handling equipment, and the effect on livestock feed intake and production.

Forage containing 65 percent or more moisture can be cut a 1/2-inch long and still store well. Silage with 60 percent or less moisture needs finer chopping to pack well. Silo capacity and handling capacity are reduced when silage is cut long. But chopping finer than 1/4 inch is undesirable, Williams says. Under most conditions, 1/4 to 1/2-inch lengths of cut will produce excellent silage or haylage at a reasonable energy cost.

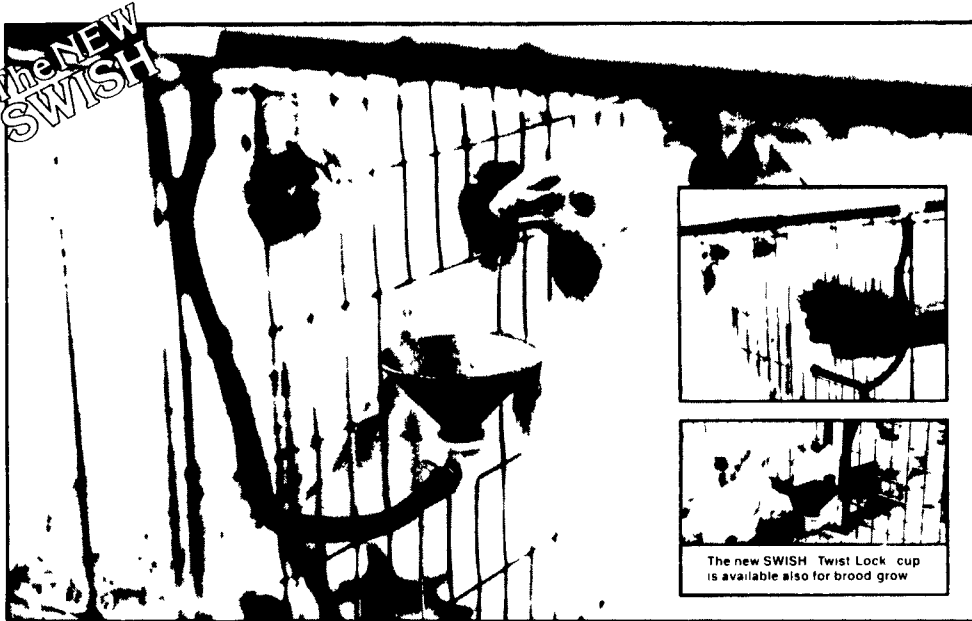
For more information on this subject, in Delaware call county extension offices in Newark, Dover or Georgetown and ask for fact sheet No. FS-26, "Reducing Forage Harvest Energy Cost."



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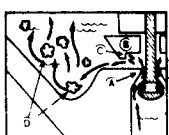
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