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software on the market, providing eight different reports for multiple-tract farming enterprises. They include: field, crop, pesticide, fertilizer, manure, lime, harvest, soil test, crop rotation, crop summary, and where-used pesticide information.

The "Main Window" summarizes all fields and crops planted for a given year. Simply use the mouse to click on the task you wish to perform.

The software also allows you to copy information you have currently recorded making it easy to keep your records up to date. For example, let's say you will be planting the same crops this year that you planted last year. Rather than rekeying all the information, you copy the information from the previous crop year to create a new entry for the crop information for this year.

Price is \$84.75, including S&H and a full year of phone support. It comes with a 30-day money-back guarantee. (Jerry Fracassi, Jr., Agri-Soft Inc., P.O. Box 230296, Fair Haven, Mich. 48023; ph 517 561-2011 or 810 794-7385)

You'll never fall off a ladder trimming trees with a trimmer like this one I built out of scrap.

It's built of two 2 by 2's 8 ft. long and bolted together at the junction. A light bow saw at-



taches to one end. The trimmer is put together with 3/16-in. carriage bolts, washers and wing nuts and can be taken apart quickly and easily.

The length and weight of the trimmer helps with sawing.

It's real nifty and cost only \$8 to build. (William Ceilky, 2253 Everett, Lakeland, Fla. 33801)



Here's a bale lifter I modified for my dairy farmer friend Alvin Eleeger.

He'd been feeding small square 90-lb. bales by hand to his 50 cows until he recently started getting 3 by 3 by 8-ft. bales weighing 1,000 lbs. out of Kansas. Bigger bales meant he needed something to handle them with.

So I picked up this old scissors-type lifter from a local salvage yard for \$15. It was manufactured by Boschman Equipment, Milwaukee, Wis., and is rated at 1,200-lb. capacity.

I made jaw extensions for the grab out of 36-in. long pieces of 3 by 2-in. angle iron and put a 9/16-in. bow in the extensions to accommodate the bales.

I also reworked the Woods stationary crane on Alvin's 90 hp Deere tractor so it would swivel the bales right into the barn. I cut off the existing chain hook and welded a 1-in. dia. pipe as a bushing for the through bolt. The swivel is a ball bearing that came off a jib hoist.

Alvin is real pleased with the way the bale lifter and swivel crane work for handling bales. I've got only \$30 in materials since much of what I used was scrap I had on hand. (Doug Garvin, 5114 Deerfield Dr., Fairview, Pa. 16415; 814 833-0419)

Meet Pat and Mike, my 2-year-old bulls.

Obviously, they're belted. What may not be as apparent is that they're Mini American Belties, a breed that was recently accepted into the Miniature Cattle Breeds Registry. The animals are the result of breeding smaller belted Galloways with mini Dexter bulls.

Mike is 42 in. tall and weighs 600 lbs. with



a narrow belt, while Pat is mid-size (over 42 in. tall) and weighs 800 lbs. with a full belt. The one-month-old bull calf, which has a narrow belt and is 75 percent Dexter and 25 percent belted Galloway, weighed 25 lbs. at birth this spring. We expect him to be about the same size as Mike when full grown.

Even though the belt from the Galloway is dominant, Mike has not passed on a full belt when mated to Dexter cows nor has he passed on a full belt when mated with his half sister.

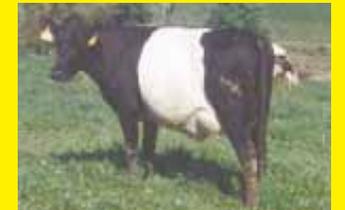
Pat has passed on a full but narrow belt once out of three matings.

I feel better results could be achieved using many more animals.

American Belties are an early maturing animal with outstanding beef characteristics and excellent profit potential. (Charles George, Grand View Farm, 7411 288th St. E, Graham, Wash. 98338-9325; ph 253 847-7204)

Dutch Belted dairy cows are known as the best cow for grazing, proving to be exceptional milkers and often out-producing other breeds. As such, they're fast emerging as one of the most sought-after breeds for cross-breeding by grass dairymen and stockmen.

Among the practical features of this breed, which date back more than 300 years to the



mountains of Switzerland and Austria, are: incredible fertility, economical size, strong grazing ability, sound feet, early maturity, persistent milk production and high protein/fat ratio.

For example, Duchess Zelma "O", the queen mother of today's Dutch belted breed, averaged 20,600 lbs. of milk per year at 3.4 percent protein.

Our company's purebred sires also throw a high percentage of belted offspring out of other breeds. Hybrid vigor alone is documented to increase performance up to 15 percent.

We offer semen from a number of Dutch Belted sires. Thousands of these bulls have been put to work in herds throughout North America, Holland, and the U.K. Semen is shipped by one of the top custom AI studs - Interglobe Genetics of Pontiac, Ill. (Kenneth & Winnifred Hoffman, Bestyerd Dutch Belted, 4279 E. 12th Rd., Earlville, Ill. 60518-6079; ph 815 246-9523)

As land values and equipment prices soared over the last 30 years, farmers were forced to lease land to justify the cost of bigger equipment. At the same time, they were also forced to lease equipment because of the amount of capital required for a larger scale operation.

Here's where a landlord can come to the farmer's rescue and profit greatly in the bargain. He can buy the equipment and lease it



Here's a shot of the most beautiful red clover field you've ever laid eyes on. This near-perfect, weed-free field was made possible by my Combine-Mounted Weed Seed Collector that FARM SHOW featured a couple years ago (Vol. 20, No. 2).

The clover was in full bloom when this photo was taken last season. As you can see, there's virtually no evidence of weeds because of my invention.

I've received calls from all over North America and even New Zealand and Holland since the article appeared in FARM SHOW. Unfortunately, with machines getting bigger and bigger, there seems to be very few who want to be bothered trailing a wagon behind their combine. It's actually not much trouble considering what you're accomplishing.



Just thought your readers might be pleased to see what my Weed Seed Collector can do. (G.C. Reicheld, Jarvis Hereford Farms Ltd., R.R. 3, Jarvis, Ontario, Canada N0A 1J0; ph 519 587-2200)

to his farmer-tenants.

A major diversified net worth can provide the collateral needed to purchase equipment along with a minimal down payment. Rental of the equipment will make the payments over the life of the purchase contract. The purchaser can benefit, taxwise, with a write-off for depreciation and interest expense. In six to eight years, the paid-for equipment, which has been completely depreciated, is still worth half the purchase price. It can then be sold or continue to bring in rent.

This is a win-win situation for both the landlord and the farmer, both of whom need to act as partners to have a successful farming operation.

It's one of the few ways one can get ahead under current tax laws and farm programs.

Take it from us, this system works. We've applied the idea over many years in building our estate and gaining financial independence. (Oliver and Lillie Jeffords, 2153 Beverly Beach Dr. NW, Olympia, Wash. 98502)

I have a suggestion for the Mississippi Case-IH service technician with the IH 1586 tractor that mysteriously loses hydraulic function despite replacing both pumps ("Mechanics Tell It Like It Is", Vol. 22, No. 2).

Two years ago my son, Earl, bought a used IH 3788 that appeared to have been well cared for but had had work on the hydraulic system. A new main pump had been installed to ensure there would be no further problems, the dealer told him.

When he got the tractor home, the hydraulic system performed perfectly in the yard. But when he hitched it to a 30-ft. grain drill and took it to the field, problems developed. If, for any reason, the clutch pedal was depressed to enable it to complete a lift or lower cycle, the remote cylinders stopped at that moment and he had to shift into neutral and re-engage the clutch to complete the cycle.

Earl took the tractor to our Case-IH dealer where the problem stumped mechanics. Finally, he happened across a mechanic who told him IH used a metal tube for an oil intake from the bottom of the oil reservoir and it was sealed at the other end by an O-ring in a groove. The O-ring shrank or became deformed with use and, being above oil level, would then admit air which could cause the

main pump to become air-bound. He said the clutch pedal on this tractor was hydraulic and required a quick surge of oil from pump # 2. The momentary suction of both pumps combined would roll the O-ring and permit a burst of air to enter the line and cause pump # 1 to cavitate, or lose its prime.

To solve the problem, he suggested adding another 5 gals. of oil to the system, saying the additional oil would do no harm and would cover the suspect O-ring. Earl added the extra 5 gals. of oil (above the full mark) and the trouble vanished until the tractor was operated on a sidehill. So he added 3 more gals. and the problem was completely eliminated. Cost was minimal compared with what it would have cost to split the tractor to replace the 50-cent O-ring.

The IH 1586, with a pair of similar if not identical hydraulic pumps, may have the same ailment. (Louie Christensen, 12730 51st Street SE., Nome, N. Dak. 58062; ph 701 924-8877)

I certainly appreciated the article, "Mechanics Tell It Like It Is", in the last issue of FARM SHOW.

As the owner of an independent tractor repair shop, I've been looking for just such articles to keep me abreast of machinery problems and repairs. Yours is the most useful I have ever found. I'd like to see something like it in every issue.

Great job and thanks again. (Lloyd Pearson, Pearson Tractor Repair, 2004 4th Avenue West, Spencer, Iowa 51301-2205; ph 712 262-1508).



I stripped a 1979 International Scout down to the frame and rebuilt the body to make it look like a 1940's era truck. It's fun to drive and gets a lot of looks wherever I go. It's also a great snow-plowing truck.

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