



At Crookston, Ag Aviation students fly 250 hours to get their flight certification.

THIS SCHOOL GETS STUDENTS FROM ALL OVER THE COUNTRY

So You Want To Be An Ag Aviator!

Here's an exciting career in a field that's one of the fastest growing in agriculture. Agricultural aviation!

One of the good places to train as an ag pilot is at the University of Minnesota Technical College, Crookston. In a 2-year program, a student with no previous knowledge of flying can come out as a commercial pilot, aerial applicator, or flight instructor.

"We are probably the only public school offering this kind of course," says Larry Leake, a licensed instructor, commercial applicator and an instructor for the college. "Consequently, we get students from all over the country."

For Minnesota, Wisconsin and North Dakota students, the tuition is \$250 per year. Students from other states pay \$700 per year for tuition. With flying fees tacked on to tuition, cost of the course, which includes 250 hours of flying time, can run in the neighborhood of \$5,000 to \$7,000.

"The agricultural aviation course qualifies a graduate to be an aerial applicator, aerial photographer, aviation sales representative, and the

like," Leake points out. "He becomes certified as a private pilot, commercial pilot, aerial applicator, or flight instructor."

Students start out from "scratch" in pilot training after passing a routine medical examination for pilots. A typical first year program would be ground school, private flight training, mathematics, crop production, biology, and agricultural chemicals. The second year would involve more flight training, plus courses on economics, soils, weed identification and business management. Each student also works 12 weeks on an intern program. Students who complete the entire program come out with a degree and are certified as pilots. The opportunities for employment are broad, and a first year aerial applicator can earn \$15,000 or more during the application season.

For more details, contact: FARM SHOW Followup, Office of Records and Registration, University of Minnesota Technical College, Crookston, Minn. 56716.



Steel broom sweeps things an ordinary broom can't handle and is available with an extension handle for stirring grain.

AVAILABLE IN RIFLE, PISTOL OR BLOWGUN

Can You Use A Tranquilizer Gun?

Tranquilizer guns in rifle, pistol or blowgun models have been introduced by Glasgow Veterinary Supply, Glasgow, Mont.

"They're catching on fast with individual livestock producers," says Donald Johnson, purchasing agent. "No permit is required and you can buy Rompon or other commonly used tranquilizers from your veterinarian," he told FARM SHOW.

Prices start at \$61 for the blowgun, which has an effective range of 25 to 30 ft. It's generally used in feedlots or corrals to contain animals for shots or special treatment.

For containing animals at long range, Glasgow offers 3 tranquilizer rifles. The most sophisticated is the Model 60 which sells for \$656 and has an effective range of up to 210 ft. The Model 40 (\$609) has a 150 ft. range. The Model 18, which operates on air and requires no cartridges to operate, has a range of about 80 ft. and sells for \$453.

Three pistol models with an effective range up to 75 ft. are also available in the \$400-\$450 price range.

Cartridges which propel the tranquilizer-loaded syringe darts to the target are color coded, depending on their effective range. For example, if you were within 30 feet of the animal, you'd select a blue coded cartridge. If you were 75 ft. away, you'd select a red cartridge. (The red cartridge used close up would carry too



Tranquilizer darts are available for rifles, pistols or blowguns.

much fire power. It would drive the dart with such force that it could possibly bruise or injure the animal).

The cost of "shooting" an animal is right at \$4 (\$3.75 for the syringe dart and 20¢ for the cartridge). All the rifles and pistols are single shot.

For more details, contact: FARM SHOW Followup, Glasgow Veterinary Supply, Fort Peck Route, Glasgow, Mont. 59230 (ph 406 228-9313).

DOUBLES AS A GRAIN RAKE

Many Uses For New Steel Broom

You're going to like this new steel broom that lets you "sweep" things you can't get with an ordinary broom, as well as make everyday, around-the-farm chores easier.

"We're cash grain farmers who do a lot of grain drying. We initially developed it to clean out under dryers," says inventor Don Vogt, who notes that the unique "push-pull" design of the broom lets you clean under equipment, or into tight areas that no other existing clean-up tool can manage.

Some farmers are using the 14-ga., 9-lb. broom to clean slats under farrowing pens from outside the pen, to pull the grain out of the corners of grain trucks when dumping, or to move sloppy manure.

"It's also better than anything available for leveling sand, shale, and gravel. What's more, the curved lip

works particularly well in fresh cement," says Vogt.

Besides these uses, the broom also functions as a grain rake in bins to stir the top layer. An optional lighter version is also 20-in. wide, but is made from lighter 18 ga. steel and comes with a 2-ft. extension to the standard 5-ft. handle. Vogt stresses that although the grain rake version is lighter and makes for easier raking, the standard steel broom performs the same function.

The heavy steel broom sells for \$15, and the grain rake (with 2 ft. handle extension) for \$16, plus \$2 for shipping. Handle extensions in 5-ft. increments are optional.

FARM SHOW Followup, Morgan Manufacturing, Rt. 3, Box 178, Owatonna, Minn. 55060 (ph 507 451-6771)