

# Formula Helps Youth Determine Break-Even Costs

CALDWELL, Ohio — A simple mathematical formula can help youth understand the economics behind market livestock projects, according to an Ohio State University 4-H youth development specialist.

champion animals has made winning synonymous with profit, said Chuck Bell. In some cases, that's translated into people paying ever-higher prices for project animals without regard to basic economics.

and parents need to understand how the purchase price affects any potential profit or loss, Bell said. To teach this information, Bell and colleague David Miller, a farm management specialist at Ohio State, devised a series of materials that help people easily

calculate the possibility of making profit, or at least breaking even. Separate handouts for steers, feeder pigs and lambs chart the necessary sale price per pound, given the purchase price of the animal, feed and miscellaneous needs. The handout also provides

the formula — total costs divided by finished weight of the animal equals break-even sale price — so youth can figure their own break-even point. The same information is incorporated into a hands-on, three dimensional exhibit.

"Advisers and parents can use the teaching materials to help youth understand potential profits and potential risks of raising animals," Bell said. "It's partly economics and partly awareness of what you are willing to spend. And, it's one way to refocus market livestock projects on responsibility, proper husbandry practices, and the business of raising animals."

This information was presented at the national meeting of the American Society of Animal Science, held July 28 to Aug. 1 in Nashville, Tenn.

## Large Auction St. Anne Area Farmers Consignment Auction

7200 E. 5000 S Rd., St. Anne, IL 60964

Wednesday - September 3, 1997 - 9:30 a.m.

Located 2 miles North of St. Anne, Illinois on Route 1- the 1/4 mile West, or 7 miles East Kankakee, Illinois on Route 17, then 5 miles South on Route 1 and 1/4 mile West.

**COMBINES:** 1984 IH 1460, 24.5 x 32 tires, electric sharp, IH 1420 Electric low hours, IH 1440; IH 1460; IH 715 Dsl.; JD 7720 Dsl, Hydro.; JD 6620 Dsl. Hydro, JD 7700 Dsl; JD 6600 Dsl., Hydro.; JD 4400 Dsl; 1987 Gleaner R-5 Well maintained Gleaner F-Dsl.; Gleaner F-Gas; JD 6600 Dsl. Hydro, 2700 Hrs., Sharp; MF 510 Gas, Sharp, JD 45-EB Combine, Gleaner M-2 Combine, MF 540 Combine, Dsl. off 200 acre farm, sharp, 1977 JD 7700 Combine, Turbo, Hydro, Air.

**PULL PICKERS:** New Ideal 325-12 Rollbed 2'30" sharp; JD 300, sharp, New Idea 325, 12 Roll bed, Nice; New Idea 324, 12 Rollbed, 2-Row wide, Nice, New Idea 325 Corn Picker, New Idea 838 Husk & bed w/throat & elev., complete.

**4X4 TRACTORS:** 1978 Case 2670 3 pt.; White 4-180 Cat 3208 Dsl. w/Duals 18.4x38.

**TRACTORS:** 1981 IH 1486 Dual PTO, Dual Hyd; IH 1086 Dsl; Dual PTO; Triple Hyd.; IH 1086 Dsl. CIH 5100 Hrs. Sharp; IH 1586 Dsl. CIH 540-1000 PTO; IH 1066 Dsl, 3900 Hrs., IH 1456 Dsl., No Cab, Dual PTO; IH 1566 Dsl. Cab, 400 Hrs. Engine OH; IH 466 Dsl; MM-1355 w/cab approx. 3000 Hrs., nice; MM 602 Gas 3 pt; 1971 JD 4620 Dsl., Cab, Nice, Case 2390, 3500 Hrs.; Case 2290 Dsl. CIH; MF Super 90 Dsl.; Ford 5000 Dsl.; Oliver 1350 Dsl.; IH Super-C Narrow Front; AC CA w/woods belly mower, JD 4000 Dsl. 3600 Hrs. one owner, Sharp, Side Console; IH 400 w/Power Steering, IH 1586 20.8.38, 90%, 540-1000 PTO Nice.

**CORN HEADS:** JD 453A, 4-Row; JD 653, 6-Row, L-M AC 4-Row, L-M Gleaner A-630, 6-Row; JD 235, 2-Row; JD 843 8-30" Lotin

**COLLECTORS:** IH Model-M, 1 1/2 horse engine, JD 720 Dsl., Strait JD-B Runs Good, Strait, JD 730 Dsl.

**LOADERS:** Manure Loader, 1968 Ford Industrial Tractor, new bucket; IH 350 Hi-clear Utility fender fast hitch w/loader; Loader only; D-14 Trip Bucket, Cat Pay Ldr., articulated, Gas; IH 350 w/Ldr; JD 2440 w/146 Ldr.

Case 580 Super E 4x4 Cab, Well maintained; Case 580 Super E Cab, extend-a-hoe, tight unit, MF 35, Tractor, Loader, Backhoe.

Oil Bath; JD 643 6-30". (3) JD 444, 4-Row Wide; JD 443, 4-30"; IH 963, 6-30"; (2) IH 863, 6-30"; (2) IH 844, 4-Row Wide w/Stalk Stompers; Gleaner LORM 8-30" Black, good condition; Gleaner (2) F-4 Row Wide, Nice; White 6-30"; White 4-30"; MF 1163, 6-30"; MF 63C, 6-30"; MF 4-Row Wide, MF 1144, 4-R wide; (2)AC L-M, 6-30" Black; AC L-M 4-Row wide; Gleaner F-38.

1994 Talbert Drop Deck Trailer, 48' x 102", spread axle, air-ride, nice.

**GRAIN PLATFORM:** (2)JD 15' Grain Table; (3)JD 13' Grain Table; 15 LORM Grain Head, MF13'; JD 925-25'; JD 222-22'; JD 218-18'; JD 220-20'; JD 216-16'; (2) JD 215-15'; JD 213-13'; IH 820-20'; IH 820-15'; Case IH 820-15'; (2) Deutz Allis Gleaner 320 of R Series, Real Sharp, Gleaner F-15; Gleaner F-15' Sharp; MF 15'; JD 220 Flex Platform.

**TILLAGE TOOLS:** Krause 10' Disc; JD 110 Disc; Krause 24' 1900; JD 21' 230 Disc, Krause 25' Disc; (2) 12' 470 IH Disc; JD 14' Offset Disc; IH 15 1/2' Disc; White Disc, AC 13 1/2' Disc, Krause 24' Disc; JD 220-18' Disc; JD 220-21' Disc; JD 230-24' Disc; IH 490 Disc; Krause 30' 1900 Disc; Rome 7' Disc 24' Blades; MF 620-21' Disc; IH 470-18' Disc; JD 235-24' Disc; White 263-18' Disc; Kewanee 8' Disc; Kewanee 1010-21' Disc w/Remlinger Disc; Kewanee 1010-18' Hyd. Fold, Disc; JD BW 14' Disc; Bushhog 24' Disc, 7" Spacing, Amoco 27' w/24" Blades.

**PLOWS, SOIL SAVERS, CHISELS:** Wilrich 2900, 9x auto reset, sharp, shredded; Oliver Plow 4x; Oliver Plow 5x; Oliver Plow 6x; AC 3x Plow; IH 700, 7 or 8x16 Auto Reset Pull Plow, Nice, White 588, 5 or 6x Auto Reset; IH 710, 5x auto reset; Glence 9 Shank Soil Saver; Glencoe 11-Shank Soil Saver; Brent 5-shank CPC, White 5x Auto reset Plow, IH 720 7x16 on land; IH 720 7x16 on land.

"New", Brent 4-Shank CPC, Auto Reset, Soil Saver.

**CULTIVATORS:** MF 12-Row Crop Cult.; 8-Row Oliver Cult.; Oliver 6R Cult.; 4-R 30 JD RG Cult, JD 4-R 30 RG Cult.

**FIELD CULTIVATORS:** Glencoe FC 21'; AC 3 pt, FC 12'; AC 10' Snap Coupler FC, IH 12' 3pt.; Hiniker 11-20 Flat Fold FC.

**PLANTERS:** JD 6-30" 7000, Sharp, White Planter 5100 w/rakes, AC 4-R 3pt. Planter, AC 4-Row Wide Planter.

**DRILLS:** Brillion 10'Sure stand seeder w/transport; JD 8300 Grain Drill; IH 620 14' Drill; IH 5100 Grain Drill.

**FORAGE:** JD 3940 Silage Chopper, (2) 2-30 Chopper Head; JD 510 Round Baler; JD 3940 Chopper w/Hay Head & 2-Row Narrow Corn Head, electric controls; JD 24-T Baler w/Chute; NH 489 Rd. Baler 900-1200# Bale, NH 488 Haybine, NH 489 Haybine; Ford NH 489 Haybine 9'; NH 479 Haybine, JD 346 Haybaler w/JD 30 Ejector; Gehl 600 Silage Chopper w/2-Row Head.

**CARS:** 1975 Mustang, no motor, no trans. Good body; 1947 Chevy, runs 1955 Plymouth, real good condition, all original; 1975 Model R-Mark, 237-5-speed power steering, wet kit, Red.

**TRUCKS:** 1984 Ford Bronco II, 73000 mi., Red, 85 Ford 1/2 Ton, 4x4, 35' two-tone brown 4 speed, 106,000 mi.

**MISC.:** NH L425 Skidster, (12) Tires 7.50x20; (4) Yellow open boxes; (2) Aluminum Chutes; Gardner Denver Pump; Saddle Tanks and Brackets; 3 point arms, New Holland 791 Manure Spreader, New Idea Manure Spreader; MC Flail Shredder 15' w/new knives, Steam Jenny 1600, Natural, Gas, Heat, w/hoses; Grain Platform Carts; Peterson Chaffer & Sieve for JD 7720; 7720 Big top bin extension; (2) Grain Platform Carts; Shoup corn catcher; JD Fert Box; Henry 3 pt. Back Hoe; Air-compressor, Fumigator & markers; (2) Parker Gravity Box, 165 Bushel; 12-Horse 3-phase Cooling Fan w/contactor and bin transition; Easy Trail Head trailer; 2-Axle Pull Behind Trailer; Small Hyster Fork lift, air tire, LP 36" Fork; Harrowgator 16' Side unloading wagons; Center Dump; Barge wagons with hoist and without; DMI Side Dump Wagon; DMI Center Dump Auger Wagon; (2) DMI Wagons; DMI Center Dump Wagon w/Auger; (2) IH 415 Cultimulchers; JD 20' Rotary Hoe; Hesston 10 Stacker; Duals; IH Front and rear wts; JD frt and rear wts; (5) "A" Frames w/Briggs and Stratton motors w/winch; cylinders; Misc. JD Combine parts; spools of new cable; pipe threaders; gang tools boxes; Grain Auger; Kewanee Auger 8'; Feteral Auger 10"x28"; NH 355 Feed Grnder; JD 158 Ldr; JD 148 Ldr; JD 48 Ldr; IH 2250 Ldr; 250' Cyclone Fence w/4-10' Gates, in real good shape. Head carrier; Koyker Auger Cart, 100 bu.; 7' Service Mower; (1) pr. 15x16 Tires w/wheels, (1) pr. 16.9x26 tires w/wheels; (1) 18.4x16.1 tire w/wheel; Hobart 3 cyl.; Dsl. Welder Generator; (3) Quick Couplers.

**SALVAGE:** (2) IH 4568; 4x4 no 3 pt., motor trouble

TO BE SOLD AT 1:00 pm

**FARROWING HOUSE:** 25'x45' Barn w/2 Feed bins. 16 Farrowing crates, 2 exhaust fans, 3 automatic feeders, slat floors, heater and warmer.

Already we have 2 farm close-outs consigned, and many individuals.

We would like to take this opportunity to invite your to our Fall sale. As always, this sale bill is written well in advance of the sale. Much more equipment will be added up to and including the day of the sale. If you're looking for a particular piece that is not listed, please call.

Trucking available to anywhere in the US, Canada, or Mexico. Lunch counter to be provided by Wichert Reformed Church, with proceeds to be used in local mission projects.

If you have equipment to consign, call now!! We still have time to get your equipment advertised. Pick-up service available. Looking forward to seeing you September 3. Have a safe harvest. Thanking you in advance.

Jim, Jr.  
Manager

(815) 427-6328 DAYS \* (815) 427-8178 NIGHTS \* NO SUNDAY CALLS PLEASE

## Public Auction Register

Closing Date Monday 5:00 P.M.  
of each week's publication

SAT. AUG. 23 - 9AM Repossession Sale, approx. 550 repos & off lease vehicles. Keystone Public Auto Exchange.

SAT. AUG. 26 - 5PM. Along Snyder Rd., off Rt 616 betw. Glen Rock & Seven Valleys or off of Shaffer Church Road. Construct. equip, Hh goods, tractors. Charles

& Scott Wehrly, Aucts.

WED. AUG. 27 - 5PM & THURS. AUG. 28 - 5PM. At Redding Auction Service, Rt 34, 1/2 mi N of Gettysburg, Pa at Y & continue 2 mi on Table Rock Rd to sale. Furniture, Hh, glassware, diamond ring, antiques & collectibles, lawn & garden equip. By Mary A. Starnes.

Redding Auction Service.

## CONESTOGA NURSERY

ABSOLUTE AUCTION  
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SAT., SEPT. 6, 1997  
Auction Time: 9 A.M. Sharp

Location: 11/2 miles north of Rt. 23 along Rt. 625 or from Reading south approx. 15 miles along Rt. 625, East Earl Township, Lancaster County. Watch for auction signs.

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E.K. 45 gal. - 150,000 BTU's	24FC heats 1500 sq. ft. \$629
.....\$1,799	24ICD heats 2500 sq. ft.
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BTU's.....\$2,499	27C-3000 heats 2800 sq. ft. \$999
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BTU's.....\$2,600	28G vented-free standing
Wood Stoves starting at \$819	stove.....\$699
Fireplace inserts (Wood)	28G ventless stove.....\$699
Starting at.....\$999	Pellet Stoves
Viata Pellet Stoves	25PDV - 58,000 BTU's..\$1,349
starting at.....\$999	25PI - insert - 58,000 BTU's....
	.....1,399

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