

Beef Briefs

by
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Penn State Beef Specialist

the hay they will eat will result in some wastefully fat cows.

Consider an alternative market for some of your hay. As shown in the second table, the value of corn to the ration increases with the value of hay. Feed the lower quality hay to the cows with corn supplementation and sell the more valuable hay to someone who didn't read this article.

Provide a good, well balanced mineral free-choice.

USING CORN TO REDUCE WINTERING COSTS OF COWS

Corn prices are at their lowest level in a number of years. So, too, are cattle prices, which implies many producers need to find ways to reduce costs if they expect to remain profitable in feeder calf production.

One of the highest costs associated with the production of feeder calves is wintering costs for the cow herd. Using corn as part of that program may help reduce costs and improve productivity.

The major nutritional need for spring-calving cows at this time of year is energy. Protein requirements are at their lowest level for the entire year, and they can easily be met with most hay or other forages.

The standard for feeding energy is usually hay, silage, or haylage because that is what most farms have available. However, these feeds often have a high cost of energy. The following table indicates how the cost per megacalorie (1,000 calories) of energy varies among different feeds.

A cow doesn't really care where the energy comes from, so it may be a good idea to look at some different combinations of feed to provide the energy at a lower cost. The following table uses the differences in energy cost to show how feed costs can change by adding corn as a supplemental source of energy for wintering cows.

Implications: The best form of corn to use is probably whole, dry shelled corn. It is usually the easiest to locate and store. The cost of processing will not make up for any increase in efficiency of use.

Hay intake will have to be reduced to make costs go down. This may or may not be practical for some producers. Feeding high levels of corn to cows allotted to all

The following table indicates how the cost per Megacalorie (1000 calories) of energy varies among different feeds.

Feedstuff	Price	Energy cost (\$/Mcal)
Corn	\$2.00/bu	\$.024
	\$2.50/bu	\$.030
	\$3.00/bu	\$.036
Grass hay	\$70/ton	\$.039
	\$80/ton	\$.045
	\$100/ton	\$.057
Alfalfa hay	\$80/ton	\$.042
	\$100/ton	\$.053
	\$120/ton	\$.063

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Daily Feed Costs (\$ per day) with Corn as Supplemental Energy* (1200-lb cow in late pregnancy)

Feedstuff	Price	% corn in ration			
		0	10	20	50
Grass hay	\$70/ton	.87	.84	.81	.73
	\$80/ton	.99	.95	.91	.79
	\$100/ton	1.24	1.18	1.11	.91
Alfalfa hay	\$80/ton	.99	.95	.91	.79
	\$120/ton	1.49	1.40	1.31	1.04
	\$140/ton	1.74	1.62	1.51	1.16

*Based on 19.5 lbs of dry matter intake per day.

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Mon., Tues., Wed., Fri. 8 AM to 5 PM; Thurs. 7 AM to 5 PM

FARM EQUIPMENT

11hp Lombardini diesel w/ starter, good condition, \$1500. Sam F. Stoltz, 903A Vintage Road, Christiana, PA 17509.

1, 2, 3 & 4R Flail Choppers, NEW; also choppers for rent. Summit Hill Welding, 94 Summit Hill Dr., Strasburg, PA 17579, 717/687-8266 8-8:15am.

(1)3000 & (1)9000 Gal. SS nitrogen storage tanks. 703/639-2262, after 8pm 703/382-0570.

13 1/2' Bush Hog chisel plow, \$5200; 23' Bush Hog wingdisc, \$4200; JD #27 chopper, \$2400. 610-868-5781.

1665 Martin Scavenger spreader, \$5000; 14.9x26 duals for UniSystem, \$400; 73 F100 pickup, \$500. 717/272-0041.

1936 JD B, parting out, various good parts for sale. Brand new 11.2-38 tires w/ wheels; good block, etc. Al 610-847-2638.

1938 JD G unstyled, excellent rubber, nice original tractor. 717-435-2271.

1954 Farmall Super M w/ live hyd., real nice, \$2795; NI #323 1R corn picker, like new, \$3000; Athens 10-tooth 3pt chisel plow w/ wheels, \$1075. 610/562-4464.

1947 John Deere A; Ford 8N. 717-336-2497 after 4PM.

1989 NI 364 manure spreader, good condition, \$2200. 410-836-1795.

1992 Gehl 4610 skid loader, 1200 hrs., good condition, \$9000 OBO. Will deliver 100 miles. 717-942-6933.

2100 Better Bilt Vacuum Manure Spreader, Tandem Axle w/Plow Down, \$2900; Rollover 4 Bottom JD Plow, \$1000. (717)665-6226.

2640 JD, fiberglass cab, AC, front weights, new front tires, 80% rear tires, less than 2000 hrs. \$13,000. 609-567-4186.

1958 Chev. Viking 60 12' Stake Body Dump 21,000 GVW, 6 Cyl. Engine, 4 Spd. Trans., 2 Spd. Axle, Recent Inspection \$1500. (215)256-1128.

1977 7700 hydro, about 2,700 hrs., kept inside, thru our shop. Trade, Finance. \$10,800. Larry Stalter "The Combine Man" 1-800-248-2151

1981 Deere 443, oil drive, corn header, only 400 hrs. use, \$5,950. Call Stephen. 717-249-2317

1985 Kubota, 4x4, 430 hrs., excellent condition, 48" angle blade, 48" mower deck, \$6500. 717-274-5619.

2-Way IHC Plows: new bottoms, good condition. WANTED: Rollaway chicken nest. Nickle Mine Welding, 2133 Mine Road, Paradise, PA 17562, 717/786-7363 7:30-8am.

30' lowboy livestock trailer w/mini 5th wheel; 6R Bush Hog row-till machine, used to subsoil under corn row; MF 1163 6R corn head. 410/438-3261.

(3) Wagon running gears, VG to excellent condition, 2 6-ton Dunham Lehr, Grove 8-ton w/adj. hitch, 11L15 8-ply tires. 717/776-6540.

438 Corn head for Gleaner LorM, like new, \$1000. Can deliver. 717/536-3241.

51' 8" Westfield auger, like new, \$1,500. 10' Noble chisel plow \$800. Fox 3300 chopper w/3R corn head, and large hay head. (717)243-4677.

51 Oliver Super 77, painted, runs good! Needs good farm home. 410-378-3920.

55 hp. White diesel, completely rebuilt, w/clutch reduction, guaranteed to work, \$2700 OBO. KIRKWOOD REPAIR 717-529-3299 8-8:30AM

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701 Uni system w/727 husker, 725 end, 3RN, field ready. 717-355-9620.

705 NI Uni power unit, 710 combine, 725 3R corn-head, 713 grainhead. Very good field ready condition, \$6000. 717/463-3216.

'78 7700, turbo, hydro, hydraulic latch auger, wide spread chopper, big tires, E.H.C., clean, \$12,900. Trade & Finance. Call Stephen. 717-249-2317

7' Fox forage head, \$2,450.; 7' Deere, \$2,450.; Adapter to put picker head on Deere, \$1,250. Call Stephen. 717-249-2317

843 Bobcat skid loader, good condition, \$8700. Cumberland Co. 717-776-7725.

AC A430 corn head fits F-2 Gleaner, very good condition. (717)789-4433.

Adapter plate for ear corn on JD choppers, \$1,250. Call Stephen. 717-249-2317

Allis Chalmers HD5, crawler loader, diesel, good condition, \$4,800 OBO. (410)287-9030.

BACKHOE 1960 JD 440 on rubber w/fresh Detroit diesel, \$3,900. 410-833-9091

BACKHOE BUCKETS, ONLY 4 LEFT, new, fits Ford/Bradco hoes & NH Generals, \$225. 410-833-9091

BACKHOE FORD 650, cab, E-hoe, municipality owned, jaw bucket, nice, \$9,500. 410-833-9091,

BACKHOE JD 510 w/cab & heat, good rubber, extend-a-hoe, ready to work, \$11,500. 410-833-9091

BATWING MOWER TERRAIN KING, 10' fold-up, solid tires, good condition, \$1,000. 410-833-9091

Backhoe attachment, 3pt hitch, Howard (Woods) powerarm, \$2500; 3pt hitch posthole digger, like new, \$600; towbehind grass seeder w/3hp B&S engine \$250. 201-893-9053

Badger 14' silo unloader, \$1200; NI 325 2R sheller, needs 1 roller, \$700; 15'x15' round corn crib, dismantled, like new, \$700. 716-593-1658 N.Y.

BELTING: We specialize in flat belting, cut to order, baler throwers, self unloading wagons, long table blower belts. Franklin Co. 717-263-0573. NO Sunday calls.

Brillion 12' transport culti-packer, 4" axle, \$800. (301)998-7426.

Brillion deep tiller for sale, 3 shanks, \$2,900. Adams County. (717)359-5707.

Bush Hog 10' pull-type rotary mowers, \$3695. Taneytown Farm Equipment. 410/751-1500.

CARTNER Industrial Flail Mowers, 88" 3Pt. Hitch, 74" Side Mounted, All Hyd. Driven. Excellent Condition. (410)836-1924.

CASE SC, new rubber, LPTO, outlet, tri-cycle, runs excellent, \$1,000. 410-833-9091

CASE TRACTORS: 500 diesel (industrial) 2 model LS \$1100 each both run. RC in parts, nice or will part out \$550; CC rough \$450; IH 660, 560, 650, 600, WD9, all diesels. Farmall M, runs nice \$1250; McCormick 15-30 runs, nice \$1000. Tractor repairs. Sales and Service. Reasonable Rates. KING'S TRACTORS, 1426 Noble Rd., Kirkwood, PA 17536.

Cab for 430 series Case tractor \$500 OBO. Bush-hog 5 shank subsoiler, field ready, \$1,500 OBO. (703)432-1583.

Cardinal Sprayer w/35' Booms, New \$2495. Taneytown Farm Equipment. (410)751-1500.

Case 1835 skid loader w/ gas engine in good condition, \$6,200. (717)644-2443.

Case IH 575 box double apron chain manure spreader w/upper beater and pan and plastic lined floor, very good condition. 717/289-4234 after 7pm.

Case Model 426 Mounted 2 Row Corn Husker; 400 Racine Tractor in Working Order Currently on DC Case, \$450 OBO. (610)767-8370.

Case tractor, VAO 5256922, belt pulley drive, wheel weights, PTO, hydraulic lift, plus utility trailer w/lights. (717)755-6391.

Case VAC tractor with mounted plow, nice, \$1,400. 11-2x38 tires, \$360. (717)336-4621.

CIH 550 spreader, 220 bushel, single beater, tail-gate, excellent condition, \$4300. 717-328-2336.

Combine 510 MF diesel, 12' grain head, hyd. lift hume reel, used for small grain only, always in shed, \$3000. 717/445-4090.

Combine Head, White 704 Wide, 13' Soybean, Kwick Cut, Nice. (717)569-8925.

Combine: JD 3300, 12' Grain Head, Field Ready \$4950; JD 4400 Diesel, Air, Monitors, Nice, \$8900; AC F430 Black Corn Head, \$5500. (717)630-2736.

CRAWLER DOZER CASE 450, 6 way w/new chain, \$8,250. 410-833-9091

CRAWLER DOZER IH TD9, excellent UC w/angle blade for parts or repair, \$1,800 / Offer. 410-833-9091.

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Farmall 806, WF, 3pt, 1 remote, 4500 hours, 70% rubber, excellent condition, one owner, \$8000. 410/442-2289.

Farmall H w/Loader and Chains \$2000; Farmall A w/Cultivators \$2500; Wood Saw \$150; Planted Jr. Potato Plow and Several Hand Cultivator and Seeders. (215)493-8576.

Farmall regular, not running, \$550, trade H+M engine. 717/966-1249, 717/538-3451.

Farmall Super A, 6' sickle-bar mower, plow. Original no dents. \$2,250. (908)735-7572.

Deere 343 header, very good, \$2,850. Call Stephen. 717-249-2317

Deere 4420, air, very good, \$14,900. Trade & Finance. Call Stephen. 717-249-2317

Deere 444, \$3,450.; 443, \$4,375.; 343, \$2,350.; IH 1063, \$11,500.; 863, \$5,750.; 843, \$3,750.; 844, \$2,250.; 820 13', \$3,850.; 820 15', \$3,950.; JD 213, 215 or 216 flex, \$4,250.; White 704W, \$1,750.; Black Gleaner 4-30", \$3,850.; MF 13', 15', 18' and more. Call Stephen. 717-249-2317

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DIRECTORY LISTING NAMES, ADDRESSES, PHONE NUMBERS OF 700 USED AGRI-PARTS YARDS. Send \$20 to Austin's, RT 4, Dept LF, Butler, MO 64730. Parts for sale for new, used and antique equipment. 816-679-4060.

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EZ-FLOW 220 Gravity Wagon, \$1200; 1935 JD-B \$1800; 1938 F-14 \$1200; Gehl 1090 Mower Conditioner For Parts \$500; IH 12QA Mower \$200 As Is. (610)863-6308 Evenings.

FARMALL 966, hydro, fender, \$5,500. 410-833-9091

Farmall 200 w/fast hitch, \$1500; Farmec bin wagon, \$725; Int. 2B 3pt. plow, \$350; JD 24T baler w/thrower, \$1250. 610/562-4464.

LOADER TRACTOR JD 2630 w/48 loader, hi-low, new clutch, 3,600 hrs., \$9,500. 410-833-9091

LOADER TRACTOR CASE 430, diesel w/shuttle & weight box, \$2,750. 410-833-9091

Loader Attachment JD 146 w/valve & wide bucket, \$2,900. 410-833-9091

Low Tin 643 Deere, good thru-out, shedded, will trade, field ready, \$7,850. Call Stephen. 717-249-2317

MANURE SPREADER NH 516 w/upper beater, works well, \$1,200. 410-833-9091

MANURE SPREADER JD 54, 2 beater, shed kept, must see, \$1,850. 410-833-9091

MANURE SPREADER Hawk-Bilt, side throw, works daily, \$500. 410-833-9091

MANURE SPREADER JD 450, hydro-push, \$800. 410-833-9091

DISMANTLING FOR PARTS: Massey Ferguson 200 crawler/dozer w/6-way blade, good w/c, good engine.

BALANDA EQUIPMENT P.O. Box 407 RT 29 Palm, PA 18070. 1-800-322-9030

McCormick 50T Baler w/4 Cylinder International Engine, Good Working Condition, Starts Empty. \$350 (717)739-2685.