

■ ANTIBIOTIC

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clines and penicillin along with classes of drugs more critical to human medicine, such as cephalosporins and fluoroquinolones. "Producers and veterinarians can still use these medications, but they will be limited to uses for prevention, control and treatment of illnesses in food animals - and they will require a VFD form prior to their use," Daly said.

More about the VFD Having been around since the late 1990's, the VFD is not a new concept. Any new feed-grade antibiotic preparation approved for use since then has carried this designation. In order to use these products, such as tilmicosin for pigs and cattle and florfenicol for pigs and fish, producers have needed to get a VFD form (similar to a prescription) from a veterinarian prior to use of the drugs.

"The changes proposed by the FDA will expand the use of the VFD to many common feed-grade antibiotics currently used by food animal producers," Daly said.

The VFD final rule will be implemented on October 1, 2015, but labels for most feed grade medications will not have changed until right before the full implementation date of December 31, 2016. Once the antibiotic manufacturer applies those updated VFD labels to their products, VFD's will need to be written before they can be used.

Your veterinarian's role He added that according to the VFD final rule a producer's veterinarian will fill out the form, specifying the farm and animals to be treated, the drug to be used, its feeding rate, and the duration of treatment.

The FDA has made allowances for a VFD to apply to groups of animals that may be moved to different loca-

tions, such as weaned pigs moved from a nursery to a grower, as long as the different locations are listed by the veterinarian on the VFD.

"The veterinarian will consult the antibiotic label to list feeding instructions on the VFD in terms of the inclusion rate and duration of feeding - for example, 'feed at a rate of 500 mg [of drug] per head daily for 14 days,'" Daly said.

According to the ruling, the veterinarian will also indicate an expiration date on the VFD. This will typically be spelled out on the product label, but can't exceed six months.

"The expiration date can be thought of as an authorization to feed the drug," Daly said. "For the example, given above, once a producer procures the VFD, he would have six months to complete the 14-day course of treatment."

Some drug labels may allow for a number of refills, which (in this example) means the producer might be able to obtain feed for more 14-day course(s) of treatment if the VFD hasn't expired. "Once a VFD expires, that authorization is gone, and a new VFD must be procured," Daly said.

The VFD won't be able to be written by just any veterinarian, Daly further explains. According to the ruling, only a veterinarian with a valid veterinary-client-patient relationship (VCPR) with the operation and animals is allowed to write a VFD.

The feed mill or distributor is required to have a properly completed VFD form on hand before they can supply the feed. "The final rule indicates that the VFD form could be sent electronically from the veterinarian to the feed mill via e-mail or an internet service, but it can't be simply phoned in by

the veterinarian," Daly said. The feed mill, veterinarian and producer will all need to keep a copy of the VFD on file for two years.

In the case of drugs fed in approved combinations, if any of the drugs in that combination are VFD drugs, a VFD will be required for that feed.

What remains the same? Some livestock medication practices won't change at all in light of these regulations. The use of non-medically important feed-grade products are an example.

"Obtaining and using ionophores like monensin, lasalocid, most coccidiosis medications, and certain growth-promoting medications, such as bacitracin will not change, since they're not used very often if at all in human medicine," Daly said.

As has always been the case, extra label uses of feed-grade medications are illegal, and they will remain so.

Uses of injectable antibiotics are not slated for change. However, Daly said the changes outlined in 2013 will also move over-the-counter medically-important water medications to prescription status, like many injectable antibiotics.

Current distributors and feed mills will retain the ability to supply these products to producers. "Of course there will be more paperwork because there will be more VFD forms to keep track of, but these changes do not limit these businesses

in what they can carry or manufacture," Daly said.

The need for veterinarians to be involved in decisions about feed-grade antibiotics is one aspect of food animal production, which was important prior to these changes, and will remain important afterwards. "There is no better source of information about the proper uses of these products in livestock populations than the herd veterinarian," Daly said.

He added that a close relationship with a veterinarian means less time and money wasted on ineffective uses of these products, and more practical advice to help prevent the illnesses that require antibiotic use in the first place.

"Antibiotic resistance is a complex and sometimes contentious topic among animal and human health professionals. The complexity of the issue means that a silver bullet solution is not going to present itself any time soon," he said. "All of us involved in using these products - in animals and people alike - play a role in ensuring that they continue to work for the sake of our animals and our family members."

He added that livestock producers should review their current use of feed-grade medications with their veterinarian to gain an understanding of how these proposed changes will affect them in the near future.

■iGrow

July Plant Tips

Diane Hofer is owner and experienced gardener at Diane's Backyard Gardens, on 2nd Street to Prairie St. in Beresford (605) 763-5161. She grows specimens of perennials and annuals that she sells to show their habit, and has a store for yard and home collectibles and antiques.

"Clematis is a beautiful vine that every gardener should consider including in his or her garden," Hofer said. "Its blossoms, with some the size of a hand, range in over 30 colors. Because they grow vertically, they are ideal for a smaller space. Gardeners seem to be a bit intimidated with the pruning of such a beautiful plant, but with a few guidelines, we hope to simplify this fear."

She suggests you follow the A B C plan below according to when your Clematis blooms:

- Group A blooms in spring. It blooms on old wood, so pruning needs to be done after they are done blooming. Prune dead, weak or damaged stems. Then prune shoots that flowered. Generally, take off only about one-third of the height of the plant. Don't prune after the end of July.

- Group B blooms in the early summer and repeats in the fall. In this group all first flowering comes from last year's wood. In early spring, watch for swelling leaf buds beginning to show. Cut all dead material off above these swelling buds. The repeat blooms will occur on the new growth during the season.

- Group C blooms in the summer or in the fall. Prune this group in early spring when the plant is dormant. Group C will flower on new wood, so cutting this group to 12-18 inches is just fine.

CLEMATIS TIPS: Always trim newly planted clematis to 12-18 inches for the first two years, to encourage new shoots. This will ensure a clean and healthy plant for future growth. (A) Prune after bloom. (B) Prune before bloom (C) Cut back hard. This is a generic way to remember when to trim your clematis. You cannot kill clematis by pruning it. The worst that can happen is you'll delay the bloom time if it is pruned at the wrong time.



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2	4				
		1			
	7		8	1	3
	8	7	9		3
9					2
5		8	4		6
	5	8	6	9	
			2		
				3	5

CHALLENGING CH BOOK 59 #5

Last Tuesday's Solution

3	9	1	7	6	8	5	4	2
6	5	7	9	4	2	1	8	3
4	2	8	3	5	1	9	7	6
9	1	6	5	7	3	4	2	8
8	3	4	1	2	9	6	5	7
5	7	2	4	8	6	3	9	1
1	4	5	8	3	7	2	6	9
2	8	3	6	9	4	7	1	5
7	6	9	2	1	5	8	3	4

INT BOOK 59 #5

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(A) 2014 Magnum 260 MFD, 262 hrs., cab susp., susp. axle \$169,500
(C) 2014 Magnum 235 MFD, 274 hrs., full guid., susp., dlx. cab. \$169,500
(C) 2014 Magnum 235 MFD, 306 hrs., dlx. cab, 46" duals \$159,500
(C) 2014 CIH Mag 235, 315 hrs., 46" duals, susp. cab \$158,000
(C) 2014 CIH Mag 290, 242 hrs., luxury, 46" duals \$195,000
(A) 2014 CIH Mag 370 CVT, 475 hrs., factory warranty, luxury \$260,000
(A) 2013 Maxxum 210 MFD, 650 hrs., susp. cab, ldr., w/grapple \$145,500
(C) 2013 CIH Mag 235 MFD, 275 hrs., 795 ldr., grapple \$174,500
(A) 2012 CASE 721F, wheel loader, 115 hrs., 3 yd. bucket \$160,000
(A) 2012 Challenger MT 765C Tractor, 413 hrs., Topcon \$255,000
(A) 2012 Mag 290 MFD, 884 hrs., susp. axle, 19-spd., 46" duals \$185,000
(A) 2011 CIH Mag 260, 1,298 hrs., susp. axle, 23-spd., 1,000 PTO \$150,000
(A) 2011 Mag 340, 788 hrs., duals, 23-spd., susp. axle \$198,000
(A) 2011 Mag 340 MFD, 1,171 hrs., susp. axle, 23-spd. \$195,000
(A) 2005 MX285 MFD, 3,340 hrs., 46" duals, 12" dozer blade \$103,000
(A) 2005 CIH MX285 MFD, 3,887 hrs., 46" duals, 5 hyd. \$97,500
(N) 1992 JD 8760 4WD, 3,033 hrs., 42" duals, 3 pt., 3 hyd. \$48,500
(N) Farmall H, 38" tires, hyd. valve \$1,200

PLATFORMS/DRAPERS
(A) 2013 MacDon FD75, 35' draper, CIH adapter, 3" cut \$58,000
(A) 2012 CIH 3020, 30', 3" cut, trkr. sensors \$29,000
(A) 2011 MacDon FD70, 35' draper, CIH adapter, 3" cu. \$52,000
(A) 2011 CIH 3020, 30', 3" cut, traker \$24,000
(A) 2011 CIH 3020, 35', new sickle & guards this year \$29,000
(A) 2011 CIH 3020, 35' 3" cut, AHHC sensors, poly skids \$35,000
(A) 2011 CIH 3020, 35', 3" cut, traker, single drive \$30,000
(N) 2010 CIH 2020 35', 3" knife \$16,000
(N) 2010 CIH 2020, 30', AHHC trkr. sensors \$19,500
(C) 2010 CIH 3020, 30', 3" cut, trkr. sensors \$29,000
(C) 2009 CIH 2020 30', 3" cut, traker \$18,000
(A) 2007 CIH 1020, 25', 3" cut, traker, good cond. \$16,000
(A) 1998 CIH 1020, 25', 3" cut, auto height control \$5,000
(N) 1998 CIH 1020, 25', 3" cut, AHHC, plastic finger reel \$6,500

TILLAGE EQUIPMENT
(N) 2013 Sunflower 6333-37' mulch finisher, harrow \$45,000
(A) CIH RMX340 34' Disk, 9" spacing, 3-bar harrow, hyd. level \$35,000
(A) 2011 CIH RMX340 28' disk, 9" spacing, hyd. level, 3-bar harrow \$31,000
(C) 2010 Sunflower 6630, 29' vert. till, rolling harrow \$29,500
(C) 2006 CIH TigerMate II, 46.5' field cult., 4-bar harrow \$38,500
(A) 1997 Sunflower 1433-28 disk, 28", 9" spacing, rear hitch \$16,500
(C) CIH 3900 26.5' disk, 9" spacing, cushion gang, 3-bar harrow \$12,500
(C) CIH 4800 field cult., 22.5', 10" sweeps, harrow \$5,500
(A) Land Pride DH2596, 3-pt., 8' disk, 22" notched, like new \$3,250

PLANTERS
(A) 2012 CIH 1250, 24 row 30", bulk fill, fert., clutches \$136,500
(A) 2007 CIH 1200, 12 row 30", pivot tongue, fert., PRO 600 \$50,000
(N) CIH 955, 23 row 15", front fold, markers, ground drive \$15,000

MISCELLANEOUS
(N) Command 12' Feed Yard Scraper \$1,000
(N) 2012 Quickie Q88 Loader, 102" bkt. w/grapple joystick, mag. mnts. NEW \$18,500
(A) Federal 12x72' Auger, hyd. lift \$8,500
(A) H1082 Auger, 10"x82', swing hopper \$7,000
(A) 2012 Harvest Int'l, H1372 Auger, 13"x72', swing hopper \$13,000
(N) 2008 Peck 10x71, hyd. drive auger, low Pro Hopper \$4,500
(N) Peck 8x71 Auger, PTO, top drive \$1,500

FEED WAGONS
(A) 2010 Farm Aid 340, 5' RH discharge, 540 PTO, scale \$19,500
(A) Van Dale, 4 auger mixer, scale, LH discharge \$3,500

SHREDDERS
(A) Rhino TW96, 8' cutter, 3pt., 1000 PTO, Laminated tires \$2,000
(A) JD MX10, 3 pt., 10' 540 PTO, dual tailwheels, chain guards \$2,000
(A) Land Pride AT 3590, 90" finish mower, 540 PTO \$500
(N) BMB 5' 3 pt., 540 PTO \$500

GOLF CARTS
(A) New Club Car 48V, blue & black, 19 mph, loaded CALL
(A) 2012 Club Car Precedent, black, 48V, 19 mph, lights, cooler, ball washer, bag cover, radio, 10" rims \$7,250

COMBINES
12 MONTH 0% INTEREST WAIVER
(A) 2014 CIH 6130, 130 hrs., Pro 600, 42" duals, sidehill CALL
(C) 2014 CIH 7130, 305 hrs., 42" duals, PRO 700, 372 ant. CALL
(A) 2013 CIH 7130, 303 hrs., 42" duals, auto guide ready CALL
(A) 2013 CIH 8230, 397 hrs., tracker, rock trap, 42" duals CALL
(A) 2013 CIH 7230, 200 hrs., 42" duals, auto guide, loaded CALL
(A) 2011 CIH 7088, 523 hrs., 42" duals, Pro 600, guidance ready CALL
(N) 2010 CIH 6088, 560 hrs., 42" duals, Pro 600 CALL
(A) 2010 CIH 7120, 883 hrs., 42" duals, Pro 600, guidance ready CALL
(N) 2010 CIH 8120 Combine, 873 sep. hrs., auto guide ready CALL
(C) 2009 CIH 7120, 1,009 hrs., 42" duals, auto guide trkr. CALL
(C) 2009 CIH 5088, 823 hrs., 42" duals, lux. cab CALL
(A) 2008 CIH 2577, 858 hrs., 32" singles, rock trap, PRO 600 CALL
(N) 2007 CIH 7010, 2,090 hrs., 42" duals, PRO 700 CALL
(C) 2007 CIH 8010, 1,464 sep. hrs., 42" duals, PRO 600 CALL
(A) 1994 CIH 1688, 4,815 hrs., 38" duals, AFS yield & map CALL

CORN HEADS
(A) 2014 CIH 4406, 6-row 30", 750 acres, tracker \$40,000
(N) 2013 CIH 3408, 8-row 30", AHHC, tracker, hyd. deck \$39,000
(C) 2013 CIH 3408, 8-row 30", knife rolls, hyd. deck, trkr. \$45,000
(A) 2012 CIH 3408, 8-row 30", hyd. deck plates \$41,000
(A) 2012 CIH 3412, 12-row 30", traker, hyd. deck \$58,000
(N) 2011 CIH 3408, 8-row 30", AHHC, tracker, hyd. deck \$35,000
(N) 2011 CIH 3408, 8-row 30", traker, hyd. deck \$36,500
(A) 2011 CIH 3408, 8-row 30", hyd. deck plates, tracker \$41,000
(A) 2010 CIH 3408, 8-row 30", hyd. deck plates, SS wear kit \$40,000
(C) 2009 CIH 3408, 8-row 30", traker, hyd. deck \$34,000
(A) 2008 CIH 2412 12-row 30", hyd. deck plates, tracker \$28,000
(A) 2008 Gerringhoff Northstar, 630, 6-row 30", headsight \$25,000
(A) 2008 CIH 3408, 8-row 30", hyd., deck plates, SS wear kit \$36,500
(A) 2008 CIH 3412, 12-row 30", knife rolls, head sight \$45,000
(A) 2005 CIH 2206, 6-row 36", hyd. deck plates, tracker \$19,500
(A) 2004 CIH 2408, 8-row 30", hyd. deck plates \$23,000
(N) 1997 CIH 1083, 8-row 30", poly snoots, tracker \$9,500

GRAIN CARTS
(A) Orthman 608 Grain Cart, 32" Diamond tires, 1000 PTO \$9,500
(A) Brent 880, 30.5x32 tires, good cond. \$22,500
(A) Parker 739, 24.5x32 tires \$17,500
(A) Brent 674, green, 24.5x32 Diamond tires, 17" auger \$12,000
(N) UFT 760 Hydra Drive, 14" ldr., light pkg. \$12,500

HAY EQUIPMENT
(A) CIH RBX564 Round Baler, 5000 bales, net-w/line \$21,000
(C) 2003 MacDon 5020 14' Mower Cond., 540 PTO \$11,000
(C) 1999 CIH SC416 Mo-Co, 16", rubber on rubber, float tires \$7,500

SKIDSTEERS
(C) 2014 Bobcat S650, 179 hrs., cab/heat/air, 2 spd., ACS, 80" bucket \$41,000
(N) 2013 Bobcat S590, 292 hrs., cab, heat, 2 spd., 68" bucket \$29,000
(A) 2013 Bobcat S570, 94 hrs., cab, heat, 2 spd., 68" bucket \$29,500
(A) 2013 Bobcat S750, 400 hrs., joystick, 2 spd., cab/heat/air, 80" bkt. \$44,000
(A) 2013 Bobcat S570, 268 hrs., cab, heat, 2 spd., 68" bucket \$25,900
(A) Bobcat S740, NEW, cab, heat/air, ACS, 2 spd., radio CALL
(A) Bobcat E35i, Mini Excavator, NEW, loaded CALL
(A) 2012 Case SV300, cab, heat, AC, 10 hrs., radio, 78" bucket \$45,000
(C) 2012 T190 Bobcat, tracks, 780 hrs., air/heat, cab, ACS \$36,000
(A) 2011 Bobcat T190 track loader, 880 hrs., cab, heat, AC \$35,000
(A) Bobcat S590, 166 hrs., cab, heat, 2 spd., 68" bucket \$30,000
(A) Bobcat S570, 52 hrs., cab, heat, 2 spd., 68" bucket \$29,500
(A) Bobcat 68" Lo Pro bucket \$725

MOWER
(A) Grasshopper 729 Zero Turn, 252 hrs., 61" deck, turf tires \$9,700

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(A) T&L, 8 Tower, 1300', good condition CALL

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