HEREFORD HEBEROSD

THE NEXT GENERATION

SEMEN & EMBRYO DIRECTORY

2013

Herefords - The Next Generation 2013 Semen and Embryo Directory



This year's – The Next Generation, Semen and Embryo directory has as strong an offering as we have ever had and coming out of the World Hereford Conference held in July of 2012, there hasn't been a better time to promote Hereford genetics to Hereford breeders across Canada and around the world.

This directory has been mailed to the CHA membership as well as to our national and international subscribers. Bundles of ten have also been mailed to world Hereford member associations, to continue to increase the visibility of this directory and the genetics offered by Canadian Hereford breeders. It will also be distributed at Hereford events throughout the year.

Comments continue to be positive about the Semen and Embryo directory and breeders agree that this is a tool provided by the Canadian Hereford Association which can increase the visibility of the genetics available. The cattle industry continues to improve with prices better than they ever been and Hereford cattle increasing in demand. If you are looking to add something new or different to your program, as you look toward the future, this directory will give you many options.

The greatest advantage continues to be that breeders' direct contact information is included in their ads, so interested buyers can either contact them or their respective designated agents directly, for the semen or embryos offered for sale. In most cases, therefore, 100 per cent of sales go directly to the breeder. Those selling semen also have their customer's information and can

call this year to see how the calves look from the semen or embryos sold in 2012.

We invite readers and recipients of this directory to contact the advertisers listed if the genetics and breeding programs advertised are of interest. Our advertising breeders would be happy to discuss their programs with you and help you find the proper fit for your program.

Please don't hesitate to contact me if you are interested in advertising in the 2013 directory. We also welcome comments and suggestions for consideration relating to future issues of this directory.

Enjoy the fourth annual pages of the 2013 Herefords – The Next Generation.

Sincerely,

Brad Dubeau

Director of Communications
Canadian Hereford Association

Phone: 1.888.836.7242 Fax: 1.888.824.2329

Email: brad@hereford.ca

View The Directory online at www.hereford.ca

Table of Contents

Hirsche Herefords & Angus LID	3
NJW Polled Herefords and River Valley Polled Herefords	
and Perks Ranch4-	-5
Copper Creek Ranch	6
Church Ranch	7
Elmlodge Polled Herefords	8
Palsson Herefords	9
K-Cow Ranch1	0
Topp Herefords1	1
Big Gully Farms12-1	4
Redgate Polled Herefords 1	
Alta Genetics1	6
LCI Doenz Ranches LTD 1	7
Richardson Ranch18-1	9
Kootenay Polled Herefords2	20

Braun Ranch	21
Brost Land & Cattle	22
Wyatt Farms	23
Lilybrook Herefords	24-25
SS Cattle Co.	25
Shar-Lo Farms	26
Ulrich Hereford Ranching Inc	27
XTC Hereford Farms	27
Pugh Farms	28
Skelton Cattle Co.	28
NBG Polled Herefords	
2013 Gestation Table	31
Are you prepared for breeding season?	32
EPDs made easy	
Hereford EPD Averages	

The Canadian Hereford Association is not responsible for any transactions that take place as a result of advertising in Herefords - The Next Generation, 2013 Semen and Embryo Directory.

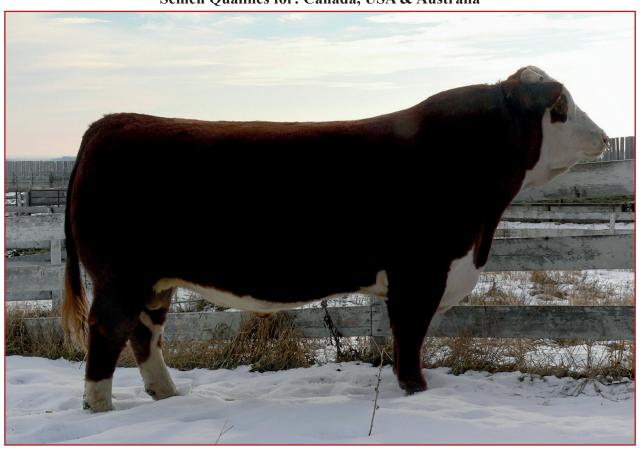
The Canadian Hereford Association is pleased to present this Semen and Embryo Directory on behalf of our advertisers.

UPS UPTOWN ET

Registration No.: C02968957 Born: March 21, 2010 Semen Certificates Required: No

Price: \$85.00/Dose minimum 10 Doses

Semen Qualifies for: Canada, USA & Australia



 EPDS
 CE
 BW
 WW
 YW
 MM
 TM
 MCE
 SC
 CW
 Stay
 MPI
 FMI
 FAT
 REA
 MARE

 3.4
 2.5
 53.6
 84.9
 24.3
 51.1
 2.3
 0.7
 110.6
 -0.028
 0.59
 0.18

 ACC
 PE
 .21
 .20
 .20
 .17
 PE
 .16
 .17
 .15
 .15
 .14

2013 calves are light birth weight with eye pigment!

THM DURANGO 4037 CRR ABOUT TIME 743 CRR D03 CASSIE 206

GH NEON 17N C02827131 **UPS MISS NEON 7868 1ET** UPS MISS DOMINO 2766 CS BOOMER 29F THM 7085 VICTRA 9036 SHF INTERSTATE 20X D03 CRR 475E CASSIE 838 GH DIFFERENCE BRITISHER 45L GH SIR SIMBA LASS 107K HH ADVANCE 767G 1ET UPS MISS MILE HIGH 0839



Hirsche Herefords and Angus LTD Grant & Annette Hirsche

Phone: (403) 652-1173 Grant's Cell: (403) 652-8254 #4-34 Southridge Drive, Okotoks, AB T1S 2G5 owners@hirsche.com www.hirsche.com

2012 World Hereford Conference Grand Champion Horned Bull

2013 National Western Stock Show Reserve Grand Champion Horned Bull

Owners of bull

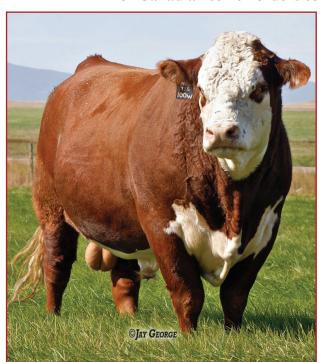
Hirsche Herefords & Angus LTD Upstream Ranch WSV Farm & Ranch LLC

NJW 73S M326 TRUST 100W ET

Registration No.: C02938213 Born: February 24, 2009 BW: 88 lbs. WW: 716 lbs. adj YW: 1,185 lbs. adj Semen Certificates Required: Yes

Price: \$35.00/Straw \$75.00/Certificate

For Canadian semen orders contact: River Valley Polled Herefords or T Bar C



 USA EPDS
 CE Dir.
 BW
 WW
 YW
 M
 Milk & Growth
 CE Mat.
 MCE
 SC
 Fat
 REA
 MARB

 -1.8
 3.0
 64
 121
 29
 61
 3.1
 123
 1.6
 -0.042
 1.31
 0.17

.23

.00

ACC

.30 .77 .65

- A US HEREFORD 12- TRAIT LEADER! Breed leading genetics with extra pigment, shape, style, eye appeal and balance!
- Used heavily at NJW the past three years...a terrific set of daughters coming into production this Spring! First sons averaged \$8635. in the NJW 2012 Bull Sale! Avg. birth weight at NJW on 2011 Trust calf crop 82 lbs...2012 calf crop 84 lbs
- Dam is a beautiful, elite P606 daughter backed by a cow family known for superb udders and the ability to produce at the top every year!
- Sire of 2012 Toronto Royal Reserve Champion Female and Intermediate Heifer Calf Champion owned by River Valley Polled Herefords



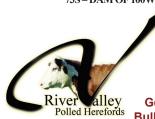
RRH MR FELT 3008 KCF BENNETT 3008 M326 KCF MISS 459 F284

PW VICTOR BOOMER P606 NJW P606 72N DAYDREAM 73S NJW 94J DEW 72N FELTONS 517 RRH MS VICT 6191 FELTONS 459 KCF MISS X4 B156

REMITALL BOOMER 46B PW VICTORIA 964 8114 RU 20X BOULDER 57G NJW D32 CLAIRE 94J



73S – DAM OF 100W



Genetic Designs VII Bull Sale Sept 20, 2013

Elwyn, Donald & Pauline Ernbury



NATIONAL CHAMPION POLLED HEREFORD BULL & SUPREME CHAMPION HEREFORD – DENVER 2012



April 10, 2013 Ned & Jan Ward

247A Decker Rd, Sheridan, WY 82801 (307) 672-3248

Ned's Cell (307) 751-8289 njwardherefords@gmail.com Cody & Shawna Chabot Jan's Cell (307) 751-9470 www.NJWHerefords.com (541) 410-5201

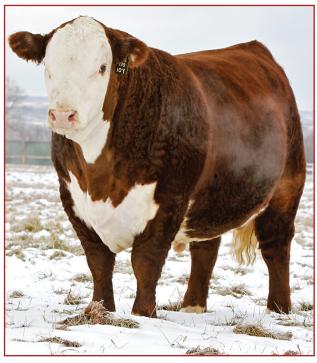
NJW Bull Sale -

NJW 73S W18 HOMETOWN 10Y ET American Registration No.: P43214853 Born: February 3, 2011 BW: 90 lbs WW: 739 lbs adj YW 1,204 lbs adj Semen Certificates Required: Yes

Price: \$35.00/Straw

\$75.00/Certificate

For Canadian semen orders contact: Billy and Juanita Elmhirst or T Bar C



BW WW YW M MARB -0.2 2.5 98 1.3 0.003 0.75 0.05 48 89 23

- BALANCED in the Flesh...BALANCED on Paper !!!
- FUNCTIONAL, Deep, Thick, Big Topped and Bred to Produce The **NEXT GENERATION!**
- His Dam ..73S sits at the Top for Maternal Cow Power and is the Dam of both the 2012 and 2013 National Champion Polled Bulls.
- A full Sister to 10Y was Res. Jr Yrl Champion Polled Heifer Denver 2013---a full brother was second to him in class. A maternal Brother was Denver Champion in 2012.



KCF BENNETT 3008 M326 SHF WONDER M326 W18 ET SHF GOVERNESS 236G L37

PW VICTOR BOOMER P606 NJW P606 72N DAYDREAM 73S NJW 94J DEW 72N

RRH MR FELT 3008 KCF MISS 459 F284 MM RSM STOCKMASTER 512 SHF INTERSTATE D03 G80

REMITALL BOOMER 46B PW VICTORIA 964 8114 RU 20X BOULDER 57G NJW D32 CLAIRE 94J



73S - DAM OF 10Y

T Bar C Cattle Co. Ltd. - Chris Poley (306) 220-5006

#4 3342 Millar Ave., Saskatoon, Saskatchewan S7K 7G9

Ph: (306) 933-4200 | Fax: (306) 934-0744 | info@tbarc.com | www.buyagro.com

NATIONAL CHAMPION POLLED HEREFORD BULL – DENVER 2013

Canadian Semen Contact: Billy and Juanita Elmhirst 1870 Settlers Line. Indian River. Ont KOL 2BO Home (705) 295-2708 | Billy's cell (705) 761-0896 | Juanita's cell (705) 772-2697 ircc@nexicom.net



NJW Bull Sale - April 10, 2013

Ned & Jan Ward 247A Decker Rd, Sheridan, WY 82801 (307) 672-3248 Ned's Cell (307) 751-8289

Jan's Cell (307) 751-9470 njwardherefords@gmail.com www.NJWHerefords.com

Cody & Shawna Chabot (541) 410-5201

Doug & Wade Perks Tom & Tammy Boatman

12526 N. Weldon Rd. Rockford, IL 61102 (404) 372 -6754 (770) 354-4195 tomtammy@perksranch.com wwww.perksranch.com

Production Sale - October 12, 2013



CB 57U CAN DOO 102Y

Born: January 2, 2011 BW: 79 lbs. WW: 867 lbs. YW: 1283 lbs. Semen Certificates Required: No Registration No.: C02953537

Price: 50-straw semen packages: \$2,500.



Can Doo is eye-appealing and short-marked and is all bull. He is stout, long-sided and sure-footed, with lots of volume and hair.

Can Doo's first calves are, as predicted, light at birth. Can Doo's actual birthweight was 79 lbs.

He is out of a model, problem-free cow with just the right amount of milk. She is western-bred, nine years old in 2013 and is very youthful. She was named Grand Champion Hereford Female at Toronto's 2011 Royal Winter Fair, with Can Doo at foot.

With a great temperament to-boot, we expect he'll do the Hereford industry proud.

Can Doo was the 2012 World Hereford Conference National Reserve Grand Champion Bull.

As a calf, Can Doo was named Reserve Grand Champion at Toronto's 2011 Eastern National Royal Agricultural Winter Fair; he was named the Canadian National Senior Bull Calf Champion at Regina's Canadian Western Agribition and he has topped a few large Canadian Mark of Excellence shows.

Semen packages are available this year from this great young herdsire. Semen available for Canadian and U.S. markets. Inquiries from foreign countries is welcomed.

Owned with: Cayley Brown and Rock Bottom Farm

STAR BRIGHT FUTURE 533P ET **RVP STAR 533P CAN-AM ET 57U** STAR BONNIE BETH 54N

STAR MKS LIMELIGHT 288G **HF 74M LIMELIGHT LADY 42P** HF 43K DUSTY LADY 74M

REMITALL ONLINE 122L **RB L1 DOMINETTE 8116** CS BOOMER 29F HCC BONITA 8L

STAR L1 TEXACO 1ET DLR MISS DIXIE 143B **RU DUSTER 60D 1** HF 92C MISS FORTUNE 43K

NJW 78P 4037 DURANGO 212X

.13

.16

.09

Registration No.: C02965684 Born: April 4, 2010 Semen Certificates Required: No

Price: \$50.00/Straw

US Semen sold through Ned & Jan Ward.



Durango's dam has comes from a long line of great cows. His sire also has a powerful genetic background but has unfortunately not been able to export semen. Owned with: Ned & Jan Ward (307) 672-3248 njwherefords@gmail.com

3 0 57 4 96 2 21 4 50 1 28 0.2 97.7 190 7-0 042 0 61 0.01ACC

CS BOOMER 29F **THM DURANGO 4037** THM 7085 VICTRA 9036

RU 20X BOULDER 57G NJW BW LADYSPORT DEW 78P ET SADDLE VLY LADYSPORT 120 **REMITALL BOOMER 46B** CS MISS 1ST FLAG 21A THM VICTOR DOM 7085 THM VICTRA 5404 7073 **REMITALL KEYNOTE 20X RU 10A DFW 57D RU DUSTER 60D GK LADYSPORT 131A**

MM

GOLDEN-OAK 4J MAXIUM 28M

Registration No.: C02816155 Born: March 2, 2002 BW: 104 lbs. adj WW: 792 lbs. adj YW: 1128 lbs. adj Semen Certificates Required: No

Price: \$50.00/straw



Maximum's daughters have beautiful udders and are very maternal. His ability to improve udders and feet have been a real bonus in the Copper Creek herd. Owned with: Golden Oak Livestock, Ned & Jan Ward. Frederickson Hereford Farm

2.0 4.5 43.9 73.2 14.7 36.7 3.8 0.5 67.2 0.8 143.484.2 0.035 0.48 -0.04 ACC .41 .85 .78 .77 .55 .33 .41 .52 .86 .71 .59 .53 .51

CW

TM MCE SC

SQUARE-D EXPLOSION 909E **EAGLE-RIDGE BLASTER ET 4J** KILMORLIE 75A BIRDY 746D

RU 20X BOULDER 57G TA-BAR CHANTELLE 15K TA-BAR CHANTELLE ET 15F GK GENETIC CAPTAIN SQUARE-D SUSIE 709Z WTK 55Y BOND 75A KILMORLIE 163Y BIRDY 164A REMITALL KEYNOTE 20X **RU 10A DEW 57D** BIG T 75A MERIDIAN D61 **EMERALD CHANTILLY 116M 611X**

Stay MPI FMI

Managers - Phil & Catherine Brown Phil's Cell: (250) 293-6857 Catherine's Cell: (250) 293-6858

Bob Proulx ~ Kevin Clement ~ Dick Holland



Copper Creek Ranch coppercreek@xplornet.ca P.O. Box 817 Princeton, British Columbia V0X 1W0 Owners - The Stevenson Family Ranch Phone: (250) 295-4099 Ranch Fax: (250) 295-4079

EPDS

CE BW WW

.13

CGC 99R YELLOWSTONE 17Y

Registration No.: C02959312 Born: March 29, 2011 BW: 105 lbs WW: 771 lbs. adj YW: 1,261 lbs. adj Semen Certificates Required: No

Price: \$50.00/Straw, minimum 5 Straws

Semen Qualifies for: Canada, U.S.A, Australia and Uruguay



3.8 7.6 70.3 107.9 12.7 47.9 -0.9 0.7 87.5 -2.5 164.9 112.0 0.021 0.81 -0.26 .04 .04 .19 .25 .20 .18 .18 .15 ACC .32

A rare combination of power and style, Yellowstone is Robin's best son to date (and he's sired some good ones!) 17Y was the Reserve Calf Champion at Farmfair in 2011. He combines a great phenotype – hair, pigment, profile, shape, bone and a big sound foot – with great numbers – top 1% of the breed for WW, YW and REA. Yellowstone is full of muscle and scanned a 16.4 inch ribeye on U/S at 13 months of age.

BP ROBIN HOOD 86M SFL 86M ROBIN 99R OBIN 99H SFL MISS 10S STANDARD LADY 34E SISL HI 20 STAND LAD 10S SFL MISS GENERATOR 64C

MHF F100 KONRAD 44M **CGC 44M IDAHO ICON 16P** MISS IDAHO VOLTAGE 13G HR ROBIN HOOD FT 300H **BP COM LADY 28J**

CH 36F ICON FT 36K MHF B54 FUTURE 71H PH IDAHO C RED 329C STANMORE VOLTAGE LASS 10B

SFL 86M ROB

Registration No.: C02865429 Born: March 27, 2005 BW: 90 lbs WW: 715 lbs. adj YW: 1,168 lbs. adj Semen Certificates Required: No

Price: \$50.00/Straw, minimum 5 Straws



CF BW WW YW MM TM MCE SC CW Stav MPI FMI FΔT RFA MARR 3.2 7.4 69.9 80.7 10.7 45.7 0.3 0.9 78.0 -2.1 164.7 0.037 0.39 -0.24 .19 .72 .61 .61 .32 .17 .11 .38 .82 .58

Robin is the #3 Horned bull in the breed for WW epd, an even more impressive feat when you consider none of his progeny have ever seen a lick of creep feed. He has sired a Calgary Bull Sale Junior Champion, Farmfair Reserve Calf Champion, and numerous Hardisty class winners. Robin consistently sires cattle that are well marked with extra thickness, muscle and performance yet moderate framed.

HR ROBIN HOOD ET 300H **BP ROBIN HOOD 86M BP COM LADY 28J**

SJSL HI 20 STAND LAD 10S SFL MISS 10S STD LADY 34E SFL MISS GENERATOR 64C

CFR ROBINSON 359 HR MISS GENERAL 114A FE 17D SUPREME SILVER 91F BP MISS SANDMAN 107C

HI STANDARD LAD 20P STANDARD L1 LASS 10G SNS GENERATOR 28X SFL 25P BRITISHER LADY 95U



CGC 44M IDAHO ICON 16P

Embryos available by 99R. 16P has raised 3 replacement females and 4 herd bulls, 3 of whom are full siblings to this mating, including Yellowstone 17Y (pictured above).

													FAT		
	-3.8	6.0	46.4	82.2	14.7	37.9	-1.8	0.2	80.7	-1.9	137.2	122.6	-0.006	0.50	-0.23
ACC	.03	.33	.31	.30	.25	-	.02	.04	.19	.46	.33	.16	.11	.14	.08

Neal & Joelle CHURCH RANCH (403) 567-0998 Email: joe_neal@telus.net Ranch location: 1 km west of Hwy 2 at Balzac Mailing address: 16450 15 St NE Calgary, AB T4B 2T3

Gordon & Rosemary (403) 226-0606 Cell (403) 852-9274



TH 75J 243R BAILOUT 144U ET

Registration No.: C02954344 Born: March 19, 2008 Semen Certificates Required: No

Price: \$70.00/Dose for 5 Doses \$60.00/Dose for 10 Doses or \$50.00/Dose for 20 or more Doses

Dominating the Show and Sale Ring!

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI

RU 20X BOULDER 57G TH SHR 605 57G BISMARCK 243R YY 125Y PRIMROSE 605F

SQUARE-D FULLBACK 615C KB 615C NICKY 75J

KILMORLIE 359S NICKY 713D

0.8 4.3 59.1 95.9 18.1 47.7 1.2 0.7 115.3

REMITALL KEYNOTE 20X RU 10A DEW 57D DAVIS 81W TOP CAT ET 125Y CFCW MISS ENERGIZER LECTRIC 5B -0.05

RLOA ULTIMO ET 74U AED DONNETTE 15 KILMORLIE 12P STEEL ET 359S MB MISS NICK 115Y



2012 RAWF Futurity Champion for Trent-Hill Farm



2012 Reno Champion \$90,000 Hi Seller for Brumley's



2012 CWA Sr Heifer Calf Champion for Cory Lees



2013 Denver Sr Bull Calf Champion \$110,000 Hi Seller for Perk Ranches



SOUARE-D TORTUGA 953T

Registration No.: C02897246 Born: March 11, 2007 Semen Certificates Required: No

Price: \$50.00/Dose for 5 Doses or \$40.00/Dose for 10 Doses

Fresh Genetics with Pigment & Presence

EPDS CE BW WW YW MM TM MCE SC CW Stay

2.7 4.0 52.2 80.4 19.4 45.5 3.1 0.9 85.7 0.3 156.0 139.4 -0.009 0.40 -0.04 ACC .13 .50 .36 .35 .21 - .11 .09 .25 .63 .19

REMITALL ONLINE 122L WILGOR 55K NORTHEASTERN OL 2N

SQUARE-D SAFARI LAD 529J **SQUARE-D AMEENA 753M** SQUARE-D JAYNE 533J

REMITALL EMBRACER 8E REMITALL CATALINA 24H **5K NORTHEASTERN OL 2N** WILGOR 174H KEYLINE 29F 55K STAR STYLISH LADY 174H TPH 636B SAFARI 18D SQUARE-D KEEPSAKE 992D KFF KLONDIKE TARZAN SQUARE-D KEEPSAKE 337A



\$8,000 Sale Feature sold to Birds Hill Farm in NB



2010 RAWF Res Grand Champion Bull for Palsson Herefords & Laura Naismith



\$7,000 Sale Feature and sold to Culp's in Kentucky



2012 RAWF Jr Heifer Calf Champion for Elmlodge

For Semen Contact:



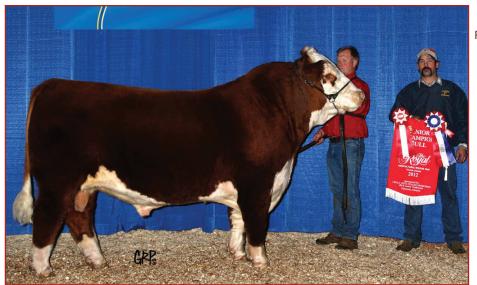
Brent & Jen Palsson

Cell: (613) 880 - 7053 brentpalsson@telus.blackberry.net



Billy & Juanita Elmhirst

Res: (705) 295-2708 Cell: (705) 761-0896 ircc@nexicom.net www.elmlodge.ca



ELM-LODGE X-MAN 18X

Registration No.: C02946861 Born: February 1, 2010 BW: 100 lbs WW: 688 lbs. adj YW: 1,241 lbs. adj Semen Certificates Required: No

Price: Call For Pricing

X-Man was the top selling bull in the 2011 Source for Success Bull Sale. His first set of calves exceeded expectations easy calving, quick growing stylish critters. X-Man covered cows and fleshed up on grass in 2012 so well when we brought him in late last summer it was clear he should have a go in the show ring. Very free moving, pigmented and that hair coat we all desire. He went on to be Senior Champion at the Royal his only trip to town. Inquiries welcome.

Owned with Elm-Lodge

EPDS	CE	вw	ww	YW	ММ	TM	MCE	sc	cw	Stay	MPI	FMI	FAT	REA	MARB
	1.8	3.6	48.3	75.0	22.6	46.8	3.8	0.9	76.1	-0.6	153.4	152.8	-0.024	0.20	0.04
ACC	.14	.38	.31	.32	.20	-	.12	.15	.24	.32	.28	.21	.15	.17	.14

KCF BENNETT 3008 M326 SHF RIB EYE M326 R117 HVH MISS HUDSON 83K 8M

ELM-LODGE LUCKY CHARM 13L ELM-LODGE 25H PASSION 19P ELM-LODGE HAVEN 25H RRH MR FELT 3008 KCF MISS 459 F284 MSU MF HUDSON 19H SUN VINDY MISS 83K

KJ SPH REVOLUTION 872G APPLEWOOD HONEY P183 102G ELM-LODGE FRANCHISE 9F ELM-LODGE 40X MISCHIEF 31D



NJW 72N P606 PAYDAY 52Y ET

Registration No.: C02974883 Born: February 10, 2011 Semen Certificates Required: No

Price: Call For Pricing

Our pick of Ned and Jan's Bull offering last spring. Payday is a full brother to NJW P606 72N Daydream 73S dam of back to back Denver champions Trust 100W and Hometown 10Y. That combined with the cow making ability of P606 and we feel this is our finest breeding tool to date. Style,calving ease and tons of maternal in this number crunching sire.

Progeny and services available exclusively from Palsson Herefords

EPDS	CE	вw	ww	YW	MM	TM	MCE	sc	cw	Stay	MPI	FMI	FAT	REA	MARB
	-1.8	3.3	43.1	70.2	29.5	51.1	0.5	1.1	86.4	-	-	-	0.017	0.71	0.14
ACC	PE	.25	.26	.26	.23	-	PE	.19	.24	-	-	-	.28	.27	.26

REMITALL BOOMER 46B
PW VICTOR BOOMER P606
PW VICTORIA 964 8114

RU 20X BOULDER 57G NJW 94J DEW 72N NJW D32 CLAIRE 94J REMITALL KEYNOTE 20X
REMITALL SALLY'S LASS ET 120X
RHF VICTOR 266 964
HVF VICTORIA 1121 05
REMITALL KEYNOTE 20X
RU 10A DEW 57D
CIRCLE-D WRANGLER 832W
JR Y53 WILMA D32



Brent & Jen Palsson

Cell: (613) 880 – 7053 brentpalsson@telus.blackberry.net



Born: January 28, 2011 BW: 98 lbs WW: 776 lbsadj Registration No.: C02953303 Semen Certificates Required: No

Price: \$50.00/Straw minimum 5 Straws

Semen Qualifies World Wide



Yamaha has a real powerful hip and is deep sided just like his sire with a tidy front end. He's got that extra length of body and wide top. Proven genetics in and out of the show ring.

K-COW WIDELOAD 87W EPDS Stay MPI FMI 160.0 Fat 0.007 Senior Champion Bull RFA 0.68 Marb 0.01 at 2012 World Hereford Conference

EPDS CE BW WW YW MM MCE 1.6 6.1 61.8 98.3 17.6 48.5 0.5

.09 .05

K-COW NACHO MAN ET 36N

.05

DXB 73J PROWLER 35M BAR-E-L 74F CHANTELLE 16K K-COW NACHO MAN ET 36N **DUNROBIN REDLADY 77P**

.32

.23 .13

.18

KJ SPH REVOLUTION 872G **LAKEFORD HAIL 262M** NCX HAIL 262H

IHRY RENEW 520E SPH VCR MISS VICKIE 520E NCX FUTURE MD 32F NCX FLIRT 164F

DXB 35M TORQUE 26T K-COW WIDELOAD 87W **DUNROBIN SALSA 87S**

.05 .36 .27 .27

K-COW NACHO MAN ET 36N **The Common Denominator**

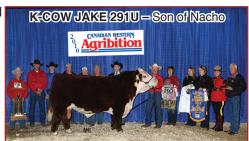
-0.04

0.36

.08

Sire of Jake, Grandsire of Wideload, Great Grandsire of Yamaha,

Price: \$35.00/Straw - minimum 10 Straws



EPDS CE BW WW YW

MM TM MCE SC CW Stay MPI

REA MARB

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REA MARB

-1.6 0.9 100.5 -1.7 170.7 154.3 -0.006 0.55 -0.06

-0.8 4.7 45.2 88.0 23.2 45.8 -1.5 0.7 91.0 -1.1 145.9 145.9 -0.004 0.25 0.04



P: (780)724-2789 C: (780)614-5959 Box 1450 Elk Point AB, T0A 1A0 kcow@telus.net www.kcow.ca

Yamaha Owners K-Cow Ranch, AB Rednex Ranch, AB

Jim & Shelley Kudera P: (780)325-2256 C: (780)497-1441 Box 729 Wildwood, AB T0E 2M0 jsk@rednexranch.com www.rednexranch.com

TH 512X 719T PLAYMAKER 14Z American Registration No.: P43294102 Born: January, 16, 2012 Semen Certificates Required: No



Semen Packages: 80 Units per Package 50 available year 1 30 available year 2 Non Certificate Bull

\$4,800 per Package

Only 33 Semen Packages sell Worldwide in 2013

USA EPDS	CE Dir.	BW	ww	YW	М	Milk & Growth	CE Mat.	MCE	sc	Fat	REA	MARB
	8.1	-0.3	71	99	23	59	-0.1	114	1.2	-0.006	0.66	-0.12
ACC	.18	.41	.33	.31	.18	-	.15	.23	.19	.22	.23	.19



DRF JWR PRINCE VICTOR 711 TH 122 71I VICTOR 719T KBCR 19D DOMINETTE 122

DRF JWR PRINCE VICTOR 711 TH 122 71I DOMINETTE 512X ET KBCR 19D DOMINETTE 122

HRP THM VICTOR 109W 9329 **RHF 964 VICTRA 4057** NJW 1Y WRANGLER 19D **KBCR DOMINETTE 9112**

HRP THM VICTOR 109W 9329 **RHF 964 VICTRA 4057** NJW 1Y WRANGLER 19D **KBCR DOMINETTE 9112**

- New, innovative and bold. 14Z is an intriguing genetic package.
- A full sister/brother mating, ensuring low birth, short gestation, early puberty, excellent growth and REA.
- 14Z excels in mass, rib dimension and phenotype which is not found in most low birth weight bulls.
- A supreme heifer bull candidate with an EPD profile of excellence.
- His dam ratioed 90 BW; 114 WW; and 105 YW
- If consistency, uniformity and predictability are important, so is 14Z.

Ryan and Prairie Topp 1157 83rd Ave. N.E., Grace City, ND 58445

P: (701)-674-3152 info@toppherefords.com www.toppherefords.com

BNC Polled Herefords Bobby Hull, Owner

Lorne Hadden, Ontario Manager Michael Goodine, New Brunswick Manager Contact Michael, 506-449-8050, for semen packages 3268 RTE 105 Bear Island, NB E6L 1H8 Canada

www.biggullyfarm.com



CF BW WW RΕΛ MARR 2.0 40.0 64.6 26.9 3.5 1.0 147.9 168.8 -0.046 0.43 0.11 77 68 67 .42 38

AGA 4016D STANMORE 121G **AGA 121G STANMORE 20J**

C 18C GENERAL D LAD 80G PDHR 80G GENERAL LASS 91K PDHR MISS 40B DIAMOND 92E

CTY K STANMORE 4016D AGA 99B CENTENNIAL 51D AGA 40E MISS STANMORE 80G AGA 9012 STANMORE 40E AGA 16B MISS GENERATOR 20E

> **GENERATING STAR 18C** AC MISS 10U STD COMMANDER 30Y JNHR DIAMOND 40B PDHR MISS 18Y DOMINO LASS 53B

PDHR 20J STANMORE 47R

Registration No.: C02867004 Born: February 18, 2005 BW: 98 lbs WW: 691 lbs. adj YW: 1030 lbs. adj Semen Certificates Required: No

Price: \$40.00/straw

Semen available for:

Canada, USA, Australia, Brazil, Uruguay, Paraguay, Panama, Columbia, South Africa, New Zealand, China and Mexico.

47R sets himself apart by posting appealing calving ease and birth weight predictions, while still transmitting mass, center body dimension and shape to his progeny. He has consistently sired moderate framed, low maintenance cattle with excellent muscle definition and ample performance in our herd, when mated to both heifers and mature cows. Genetically 47R ranks in the top 3% for FAT; 4% for FMI; 15% for Milk; 20% for MCE, SC; and 25% for BW.





MARR CE BW WW YW ММ RFΔ 3.4 7.3 57.1 91.9 25.6 54.2 109.0 -1.5 160.9 169.0 -0.044 0.82 -0.16 ACC .62 .52 .49 .15

KJ BJ BOUNTY HUNTER 741P **KSU BOUNTY HUNTER 611** KSU MISS 6052F 311

C PURE GOLD 1117 **BIG-GULLY GOLD DUST LASSY 217R BIG-GULLY 5G DUSTER LASSY 217L** KJ 520E VICTOR 417L HH MISS HUNTER M530 HH ADVANCE 6052F KSU MISS 2025 028

C-S PURE GOLD 98170 C 590 MS DOM 95034 MMH DUSTER LAD 5G **BIG-GULLY 504 EAGLE LADY 17H**

BIG-GULLY 611 BOUNTY 517U

Registration No.: C02915925 Born: March 5, 2008 WW: 788 lbs.adj YW: 1152 lbs.adj Semen Certificates Required: No

Price: \$40.00/straw

Semen available for: Canada, USA & Australia

Phenotypically, 517U possesses the ideal combination of power, bone, body dimension and performance in a uniquely sound and high-quality package. 517U has two full sisters and a maternal half-sib in the herd, with each possessing ideal udder suspension, levelness and teat size. As the 2010 RBC Supreme Champion, 517U sired the 2012 WHC Champion Horned Heifer Calf and is a paternal half-sib to the 2012 WHC Grand Champion Horned Female. Genetically, 517U ranks in the top 3% for FAT, REA; 4% for FMI; 15% for WW, TM, MPI; and 20% for YW, MILK.

> **High-Ouality Bulls &** Females always available for private purchase

You are more than welcome to visit the farm anytime and we will proudly tour you through our herd



Buddy, Frances, Lance & Tyler Leachman

Box 535 Maidstone, SK S0M 1M0 12 miles North of Maidstone on Hwy 21

Phone/Fax: 306-893-2879 · Lance Cell: 306-903-7299

www.biggullyfarm.com



CF BW WW ΥW MCE SC Stay REA MARR -0.08 55.7 96.5 23.9 0.7 119.5 0.8 161.9 153.1 -0.016 0.87 13 39 .25 .19 .16 .14

GH NEON 17N
UPS TCC NITRO 1ET
LCC TWO TIMIN 438 ET

CJH COWBOY 512
C COWGIRL 7030 ET
C NOTICE ME ET

GH DIFFERENCE BRITISHER 45L GH SIR SIMBA LASS 107K REMITALL ONLINE 122L RST ROF REBA 28H

CJH MISTER MOM 350 CJH L1 DOMINETTE 717 C-S PURE GOLD 98170 HH MISS ADVANCE 104A

C CRUZ 0248 ET

Registration No.: C02962580 Born: April 9, 2010 Semen Certificates Required: No

Price: \$40.00/straw

Semen available for: Canada

We believe CRUZ is unique with regard to shear power, muscle definition and stoutness of structure. Yet with his dimension and width, he doesn't sacrifice flexibility or stability on the move. We are very excited to incorporate this polled sire into our program and his first calf crop at Sirett Family Stock Farm indicates his progeny will be moderate at birth, grow quickly and have plenty of power. Genetically, CRUZ ranks in the top 2% for REA, 15% for YW, MPI. FMI; 20% for WW, TM; and 25% for MILK, FAT.

Owned with: Sirett Family Stock Farm Neilburg, SK Fred Sirett: 306-823-4440 (H) 306-823-7376 (C)



MARR ww vw CW Stav RFΔ 3.9 54.5 82.5 25.1 52.4 0.6 102.5 166.9 -0.032 0.58 0.12 ACC .30 .22 .22 .14 .13 .17 .12 .13

THM DURANGO 4037 CRR ABOUT TIME 743 CRR D03 CASSIE 206

CH ENUFF PROPHET 2913 WRB ELIZABETH 1009 WRB MADALYNNE 10M 3804 CS BOOMER 29F THM 7085 VICTRA 9036 SHF INTERSTATE 20X D03 CRR 475E CASSIE 838

M&M TUFF ENUFF 618 CH LADY PROPHET 0220 PURPLE TONIC 10M WRB AIM HIGH 1100

WCC/CC 1009

GREAT DIVIDE 102

Registration No.: C02969008 Born: March 5, 2011 Semen Certificates Required: No

Price: \$40.00/straw

Semen available for:

Canada, USA, Australia, Brazil, Uruguay, Paraguay, Panama, Columbia, South Africa, New Zealand, China and Mexico.

GREAT DIVIDE was an attractive breeding option to us because of the top shape, rib curvature and weight per day of age he generated as a yearling. He is fully pigmented and has a striking look from the profile due to his straightness of lines and up-headed appearance. His actual birth weight of 76 lbs. makes him a versatile breeding tool on heifers or cows and his triplet of carcass indicators will also be beneficial. GREAT DIVIDE was Supreme Champion over 11 breeds at the 2012 Nebraska Cattlemen's Classic.

Genetically, GREAT DIVIDE ranks in the top 5% for FMI; 10% for FAT; 15% for REA; 20% for MILK, TM; and 25% for WW.

Owned with: White Cattle Company Buffalo, Wyoming

Joel White: 307-217-0367 (C)

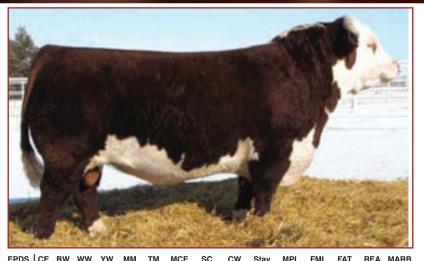
307-684-7881 (H)

Thanks to those who supported our 3rd Big Gully Farm Internet Sale this past fall.



Buddy, Frances, Lance & Tyler Leachman

Box 535 Maidstone, SK S0M 1M0 12 miles North of Maidstone on Hwy 21 Phone/Fax: **306-893-2879** • Lance Cell: **306-903-7299**



09

ACC | .11 .42 .28 .26 .14 -C-S PURE GOLD 98170 ANKONIAN MIDAS 72 LEMAR GIRL WATCH 3J

0.3 4.5 60.0 93.8 24.9

REMITALL ONLINE 122L
MH MISS ONLINE 486
.IV.JENNY 624

1.0 103.5 - - 129.3 0.017 0.47 0.14 .09 .19 - - .16 .11 .13 .10 C GOLD RUSH 1ET C MS DOM 93218 1ET

REMITALL EMBRACER 8E REMITALL CATALINA 24H HH ADVANCE 9012Y JV JENNY 438

GERBER WATCHFIRE 117F

LEMAR MIS MOH QUEST 1F

SLDK VENDETTA V-9

Registration No.: C02968520 Born: February 2, 2008 Semen Certificates Required: No

Price: \$50.00/straw

Semen available for: Canada & USA

VENDETTA was the Horned Senior Champion at the 2011 National Western and caught our attention there with regard to mass, structural integrity and balance. We are excited to use the excellent multi-trait genetic profile that VENDETTA offers, but more crucial is the power, center body dimension and look that we feel he can transmit to a group of progeny. Genetically, VENDETTA ranks in the top 10% for WW, TM; 15% for YW; 20% for MILK, SC; and 25% for REA, MARB.

Owned by:

Sladek Farms Iowa City, IA 319-351-3376

Sunset Ridge Herefords Cumming, GA 770-886-6849 Roy Barnes Marietta, GA 770-948-5512

C FANTASTIC 2165

Registration No.: C02892810 Born: March 13, 2002 Semen Certificates Required: No

Price: \$40.00/straw

Semen available for: Canada & USA

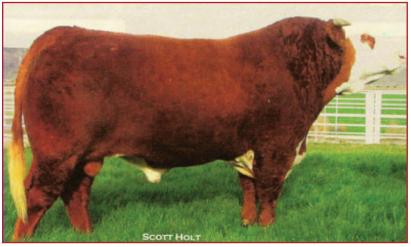
FANTASTIC was the Grand Champion Horned bull at Denver in 2004. We have continued to use him based on the productivity of his daughters. They are level-lined, quality uddered, heavily pigmented and possess tremendous carcass genetics.

Genetically, FANTASTIC ranks in the top 3% for REA; 5% for SC; 15% for YW, MARB; 20% for WW; and 25% for FMI.

Owned with: Frisbie Herefords

Melba, ID

Ed Frisbie: 208-495-2191



 EPDS
 CE
 BW
 WW
 YW
 MM
 TM
 MCE
 SC
 CW
 Stay
 MPI
 FMI
 FAT
 REA
 MARB

 -0.1
 2.9
 56.4
 96.3
 15.8
 44.0
 2.0
 1.4
 101.2
 141.7
 0.012
 0.81
 0.22

 ACC
 .34
 .83
 .77
 .77
 .68
 .32
 .48
 .60
 .60
 .57
 .58
 .58

HH ADVANCE 6052F HH ADVANCE 026K 1ET HH MS ADVANCE 4054D

C-S PURE GOLD 98170 C FANTASTIA 0040 C MS MILE HIGH 98064 CL 1 DOMINO 392 HH MISS ADVANCE 160A L1 DOMINO 910282 HH MISS ADVANCE 218B

C GOLD RUSH 1ET C MS DOM 93218 1ET C L1 MILE HIGH 2ET HH MISS ADVANCE 104A

For complete farm information including pictures, pedigrees and performance data-please visit www.biggullyfarm.com

Embryos for Sale

PDHR 20J STANMORE 47R X BIG-GULLY GOLD & SILVER 311T (10 Embryos)

BIG-GULLY 611 BOUNTY 517U X BIG-GULLY GOLD STANDARD 194R (4 Embryos)

C CRUZ 0248 ET X BIG-GULLY 8151 DOMINETTE 631Y (13 Embryos)

HF 4L BEYOND 36N X BIG-GULLY 47R STAN'S BELLE 53T (6 Embryos)

Buddy, Frances, Lance & Tyler Leachman

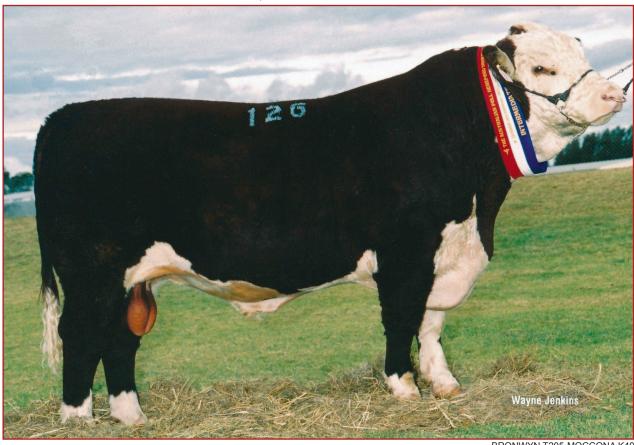
Box 535 Maidstone, SK S0M 1M0 *12 miles North of Maidstone on Hwy 21* Phone/Fax: **306-893-2879** • Lance Cell: **306-903-7299**

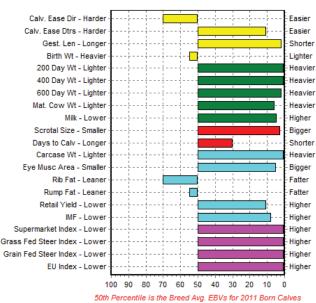


Allendale National W168

Animal ID.: AEDW168 (Aus) Born: June 20, 2001 Mature weight: 2464 lbs SC: 41 cm Semen Certificates Required: No

Price: \$60.00/straw Minimum 10





BOBANKEN PACIFIC P143

ALLENDALE KING KONG 2

ALLENDALE DAISY M7

ALLENDALE FEDERATION 3
ALLENDALE CORA R22
ALLENDALE CORA N100

BRONWYN T205-MOCCONA K40 BOBANKEN KERRY MAID J95 RARATONGA HOUSTON ET1 ST GABRIELS DAISY 63

DAVIS 80U FACSIMILE 14X ALLENDALE FANCY 248 ALLENDALE BENEFACTOR 3 ALLENDALE CORA K62

- Grand Champion Poll Hereford 2003 and "Sire of the Year" 2006.
- Highest selling whiteface sire (\$A85000) in Australia for over 50 years.
- Trait leader for eight EBVs. Arguably one of the best elite sires ever bred in Australia.
- Breedplan advises EPD percentiles should closely follow EBV percentiles in Australia & New Zealand.
- Dark, soft skin & hair type, cherry red coat, 100% pigmented both eyes.
- Semen stored at Alta Genetics.
- Complete outcross for any program looking for something "really special".



Robert & Moira O'Reilly P: +61 2 6032 7671

98 Grails Road Rutherglen Victoria 3685 Australia Redgate Poll Herefords Pty Ltd

ror@redgatestud.com.au www.regatestud.com.au

Alta Genetics 1-263090 Range Road 11 Rocky View County, AB. T4B 2T3 Toll free 1-800-465-8858





															MARB
	3.2	-1.1	26.6	42.4	9.1	22.4	3.7	0.9	44.1	1.4	118.7	152.2	-0.049	0.21	0.05
ACC	.42	.83	.78	.79	.66	_	.35	.27	.59	.89	.76	.56	.43	.50	.40

SR MARK I J215 **OXH MARK DOMINO 8020** OXH KATE 6047 1ET

DW BRITISHER STANDARD 49R **DMF MISS BRITISHER STANDARD 3T** DMF MISS 93J LASS 21P

C1 DOMINO 8015 SR MISS B MARK E549 CL 1 DOMINO 1046 **OXH RITA 1028**

DW BRITISHER STANDARD 14L DW MISS DOMINO BRITISHER 26L STANDARD LAD 93.1 MISS STAN MO LE 29E

F-R 8020 LAD 33H

Registration No.: C02740171 Born: March 10,1998 BW: 78 lbs WW: 670 lbs.adj YW: 1050 lbs.adj SC: 42 cm Semen Certificates Required: No

Price: \$40.00/straw

Owned By: Doerksen Herefords Comments by Arno Doerksen

- Never needed his feet trimmed.
- ·Sire of hundreds of uniformly moderate framed, good footed daughters with lots of milk and excellent udders. Those who have seen his daughters and grand-daughters repeatedly comment on the exceptional soundness and uniformity of his progeny.
- •We've never used a bull that has produced so many sound, functional sons & daughters.
- •He is +3.7 for calving ease and -1.0 on birth weight.
- •We purchased 33H because of the balance of low birth weight. strong maternal back ground and the positive balance of big ribeye and high marbling by ultrasound. He continues to pass on those traits to his progeny.
- ·Sons consistently show extra muscle, thickness and easy fleshing ability after heavy use at a young age. Ranchers comment on the ability of the 33H sons to maintain and recover body condition after the breeding season.
- •Sons and Grandsons consistently perform well in the feedlot.

REMITALL PILGRIM 93P Registration No.: C02851674 Born: February 13, 2004 BW: 96 lbs WW: 801 lbs. adj YW: 1313 lbs. adj Semen Certificates Required: No Price: \$40.00/straw

Remitall Pilgrim 93P has influenced the Hereford Breed with his

Remitall Catalina 24H, and Justamere 71H Debbie 786L are

Triara & Justamere have both used bulls from Debbie 786L. Pilgrim's calves have moderate birth weights, are very well marked with pigment and excellent muscle pattern. He adds hair, and his females have beautiful square utters with small teat

cows in Pilgrims pedigree that justify his value.

tacustom.com



cw MARB FMI REA 60 3 105 9 19 4 66 120 1 -23 164 5 -0 009 0.400.05ACC .38 .64 .24

P: (403)226-0666

TF: 1-800-465-8858

F: (403)226-4299

REMITALL EMBRACER 8E **REMITALL ONLINE 122L REMITALL CATALINA 24H**

REMITALL ACME 10A PLAIN LAKE BELLE 20X 117P 5B MM RSM STOCKMASTER 512 **REMITALL CATALINA 139C**

REMITALL HALE 71H JUSTAMERE 71H DEBBIE 786L

size.

power and thickness.

FELTONS 517 REMITALL FAIR SARA 52F JUSTAMERE 855C DEBBIE 817G JUSTAMERE 11Y ALSTAR 855C JUSTAMERE H161 DEBBY 217S

Alta Genetics

1-263090 Range Road 11 Rockyview County, AB. T4B 2T3 beefinfo@altagenetics.com www.altacustom.com

Owners of 33H Doerksen Herefords Owners of 93P MJT Herefords



STANDARD 16E RIBSTONE 64H K 64H RIBSTONE LAD 157K K 61Z SUPER LADY 41G

STANDARD RIBSTONE 16E STANDARD LASS 23E SNS SUPER PACE ET 61Z K 58X MASTER LADY 89Z

LCI 157K RIBSTONE 107R

Registration No.: C02862176 Born: January 16, 2005 BW: 94 lbs WW: 830 lbs. adj YW: 1417 lbs. adj Semen Certificates Required: No

Price: \$60/dose or \$50 on packages of 20 straws or more

A bull with lighter birth weights, yet at the top of the breed for performance, milk, and carcass. A true curve bending herdsire! We have used 107R successfully on heifers. He adds pounds to every mating. His daughters are now raising our top end bull calves.

EPDS	CE	BW	ww	YW	MM	TM	MCE	SC	CW	Stay	MPI	FMI	FAT	REA	MARB
	4.0	3.9	60.0	99.5	41.9	72.0	4.6	2.2	91.5	0.7	192.6	186.0	-0.024	0.52	0.21
ACC	.39	.81	.76	.76	.56	_	.34	.52	.51	.85	.71	.58	.52	.53	.49

LCI KAHLUA 82H LCI 82H KAHLUA ANDIE 174M LCI 81F ANDIE 214K DUNOON PAGE ET1 LCI RED HAVEN ET 112A 96 ANDY 81F LCI MADISON DEBI 183G



K 64H RIBSTONE LAD 157K LCI 157K RIBSTONE 107R LCI 82H KAHLUA ANDIE 174M

STANDARD 16E RIBSTONE 64H K 61Z SUPER LADY 41G LCI KAHLUA 82H LCI 81F ANDIE 214K

LCI 107R RIBSTONE 154U

Registration No.: C02911775 Born: January 22. 2008 BW: 102 lbs WW: 790 lbs. adj YW: 1324 lbs. adj Semen Certificates Required: No

Price: \$60/dose or \$50 on packages of 20 straws or more

The herdsire most picked out by our visitors as their favorite. He has so much muscle, clean fronted and is wide backed. A bull that gets out and moves. Sires calves with pigment, performance and style. Top of the breed for performance, milk and ribeye area. Semen being used in Urgway, Argentina, and New Zealand.

EPDS	CE	BW	ww	YW	MM	TM	MCE	SC	CW	Stay	MPI	FMI	FAT	REA	MARB
	0.4	6.6	58.1	103.0	33.6	62.7	2.1	1.4	97.9	0.5	178.7	159.7	-0.008	0.51	-0.01
ACC	.14	.59	.50	.49	.18	_	.11	.14	.32	.66	.45	.32	.26	.28	.23

LCI 6H WALDO 125P LCI 125P NELLIE 105S LCI T097 TAM O'LASS 43M LCI BD OSWALD 6H LCI 82H MISS KAHLUA 146K SMITHSTON TAM O'SHANTER ET2 LCI JUSTINE 58D



GH NEON 17N GH RAMBO 279R HR GOLD DOMINO 251E

GH DIFFERENCE BRITISHER 45L GH SIR SIMBA LASS 107K HR GOLD STANDARD ET 171B HR 1T DOMINO LASS 252C

CHURCHILL RAMBO 8116U ET

Registration No.: C02934840 Born: January 29, 2008 Semen Certificates Required: No

Price: \$60/dose or \$50 on packages of 20 straws or more Calgary Reserve Champion and high selling in 2010. 8116 calves are

consistently small at birth and easy calving with lots of vigor. His offspring are stylish and show the big hip 8116 posses. His females are clean made and real feminine.

													FAT		
													-0.002		
ACC	.25	.71	.63	.57	.24	-	.19	.22	.36	-	-	.42	.36	.37	.34

L1 DOMINO 95461
CL 1 DOMINETTE 825H
CL 1 DOMINETTE 618F

L1 DOMINO 93469 L1 DOMINETTE 880467 GB L1 DOMINO 250 CL 1 DOMINETTE 301



DOENZ RANCHES LTD.

PO BOX 362, WARNER, AB, T0K 2L0 Office Phone:(403)642-2380 Fax: (403)642-2471

Nelson Doenz (403)642-7696 Brad Doenz (403)642-7694 Josh Pickett - Herdsman (403)642-7686

doenzranches@gmail.com www.doenzranches.net

TLELL 199S XPLOSIVE 18X (DLF IEF HYF)

Registration No.: C02941567

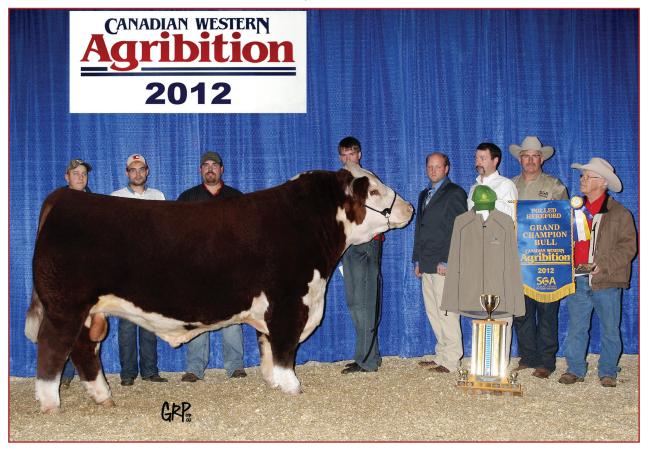
Tattoo: APSF 18X

Born: February 14, 2010

BW: 97 lbs.

Semen Certificates Required: No

Price: \$50.00/Straw



EPDS CE BW WW MM CW MPI REA MARB -0.04 0.55 3.1 43.3 76.3 22.4 4.0 0.5 75.5 -1.3ΛR 26

RU 20X BOULDER 57G CCR 57G STAMINA ET 199S GOLDEN-OAK 46B KEEPSAKE 23K

TLELL 29F RED CEDAR 8N

REMITALL KEYNOTE 20X RU 10A DFW 57D REMITALL BOOMER 46B GOLDEN-OAK Y166 DONNA 5D CS BOOMER 29F

TLELL 38L GLORIA 4G

TLELL 60D ROO 29J

TLELL 517 BANGER 19K

Astute cattlemen know that Performance, Pedigree and Phenotype are the cornerstones of any successful program and Tlell 199S Xplosive 18X covers them all. His performance includes a 205 day wt. of 796 Lb. and an average birth weight on his calves to date of 85 lb. With a Direct Calving Ease EPD of

TLELL 8N RAGAMUFFIN 22R TLELL 19K BANGEROO 29M

+2.5 and a Maternal Calving Ease of +4.0, you can be assured that his offspring will be born easy and grow fast!

His Dam was Western National Grand Champion Hereford Female in 2010 with 18X at her side and his Sire was National Reserve Grand Champion Hereford Bull in 2006. His pedigree includes the Calving Ease trait leaders Remitall Leonard and Tlell Red Cedar. Strong female lines include the Keepsake cow family from Golden-Oak and the Roo/Duster cow family from the Richardson Ranch to assure a strong maternal focus is bred into this bull.

His phenotype is awesome. You have to admire his length and smoothness while being blown away by his muscle and depth of body. But when you watch him move, you know why Xplosive 18X was chosen bull calf champion at the first combined horned polled show at Farmfair in 2010, under the scrutiny of Judge Dave Johner. This bull is an athlete and he travels around the ring or the pasture with an ease not often seen in a 2600 lb. bull. Early last fall, Judge Bill Biglieni picked him for his Grand Champion Hereford bull at the 2012 Manitoba Livestock Expo in Brandon, where he went on the be crowned Supreme Champion Bull over all breeds. At the 2012 Western Canadian Agribition Xplosive was a very popular choice for the Polled Hereford Grand Champion Banner and he was selected as a top ten finalists in the Royal Bank Supreme Championship Showdown.





plosive as

Richardson Ranch Don and Leslie Richardson P: (250)557-4348

Box 10 39614 HWY 16, TIell, BC V0T 1Y0 don@richardsonranch.ca www.richardsonranch.ca

Clay Enterprises Mark Knutson P: (306)532-4277

Box 1, Wapella, SK S0G 4Z0 clayenterprises@hotmail.com www.claycattle.ca



SEMEN SERVICE PROVIDER:

Semex Canada Dennis Serhienko

Maymont, SK Phone: 306-389-2101 dennis@westgen.com www.semex.com

TLELL 8N RED ZULU 1Z (DLF IEF HYF)

Registration No.: C02966501

Tattoo: APSF 1Z

Born: January 1, 2012

BW: 74 lbs.

WW: 862 lbs.adj

Semen Certificates Required: No

Price: \$8.00 to \$80.00/Straw



EPDS	CE	BW	ww	YW	MM	TM	MCE	SC	CW	Stay	MPI	FMI	FAT	REA	MARB
	4.5	-0.4	32.1	57.4	22.2	38.3	4.3	0.6	54.9	1.5	-	118.0	0.000	0.32	0.00
ACC	.08	.26	.21	.21	.10	_	.07	.09	.15	PE	_	.12	.06	.08	.06

Bull calves like Red Zulu come along rarely in a breeder's career. His pedigree is eight generations deep in Tlell breeding's and includes many of the breed icons such as Leonard, Boomer, Boulder, Blueprint and Felton 517 as well as Stamina and Olympian. His dam is double bred to Jade 550C which the Richardson's acquired from the Saddle-Valley Dispersal. This calf has the EPD documentation we are all striving to find for calving ease and maternal milk, yet still has actual growth and performance to grab your attention. His two year old Jade mother is an absolute gem, and did a great job on her first calf. This cow/calf pair sold for \$27,000 in the Richardson

Red Zulu 1Z was shown at the World Hereford Conference where he attracted attention from breeders around the world. He has that rare combination of a low birth weight (only 74 lbs) while achieving a very large weaning weight (205d adj of 862 lbs.). His actual weight when he left the farm for the Alta Genetics Stud was 996 pounds on October 6th with a 32 cm scrotal circumference. We expect Red Zulu to follow his sire, Tlell 29F Red Cedar 8N, to be a Birth Weight and Calving Ease trait leader who will moderate cow size. Use Red Zulu with confidence on your heifers this spring to increase value in your 2014 calf crop!!

CS BOOMER 29F TLELL 29F RED CEDAR 8N TLELL 38L GLORIA 4G

TLELL 199S RED BULL 20U
TLELL 20U JADE 32X
REMITALL JADE 257S

REMITALL BOOMER 46B CS MISS 1ST FLAG 21A REMITALL LEONARD 38L TLELL J7 BLUE NUN 11E

CCR 57G STAMINA ET 199S TLELL 46B RED JADE 16L REMITALL OLYMPIAN ET 262L MHPH MS 10H JADE 120M



Richardson Ranch Don and Leslie Richardson

Ranch Online Sale.

P: (250)557-4348 Box 10 39614 HWY 16, Tlell, BC V0T 1Y0 don@richardsonranch.ca www.richardsonranch.ca



C.L.L. HOLDINGS LTD Leonard & Leslie Conlon

P: (306)825-2264 Box 2185, Lloydminster, SK S9V 1R6 leonard@midwesttruck.ca



Copper-T Ranch Trevor & Janice Tapp P: (250)699-6466

Box 185, Fraser Lake, BC, V0J 1S0 tttapp@bcgroup.net



EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REA MARB
0.7 5.0 70.0 108.9 22.4 57.4 3.3 0.6 122.3 - - 177.3 -0.018 +0.50 +0.12

.24

CS BOOMER 29F THM DURANGO 4037 THM 7085 VICTRA 9036

.16 .39 .28

ACC

SHF RADAR M326 R125 NJW R125 67M FOREVER 51U NJW 57G 12E FOREVER 67M

.27

REMITALL BOOMER 46B CS MISS 1ST FLAG 21A THM VICTOR DOM 7085 THM VICTRA 5404 7073 KCF BENNETT 3008 M326 SHF POSTIVE MISS 73C M15 RU 20X BOULDER 57G NJW 25C 1A VACA 12E

.21

.18

.19

.17

NJW 51U 4037 DURAMAX 8X

Registration No.: C02949765 Born: January 27, 2010 BW: 91 lbs unassisted WW: 905 lbs. adj WW Ratio: 114 Semen Certificates Required: Yes

Price: \$20.00/Straw \$100.00/certificate

Duramax is extremely long sided and is full of red meat with an ideal set of numbers and a pedigree stacked with maternal performance. Owned with North Bluff Farms Inc. and NJW.





Duramax's Dam

Full Blood Sister to 8X

Kootenay Polled Herefords Murray Gore Ed Conroy mgore1@telus.net P:(250)365-3270

North Bluff Farms Inc.

Vic Redekop P:(604)856-7279



EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REA MARB -1.5 4.2 57.5 90.6 20.1 48.9 -0.2 0.8 94.4 0.3 162.5 134.3 0.000 0.38 -0.03 ACC .08 .37 .28 .27 .07 .05 .13 .18 .33 .23 .16 .11 .13 .10

GO L18 EXCEL T31 CRR HELTON 980 CRR 9B JULIANNE 405

WLB GLOBAL 72M 50S WLB 50S GLORIA 106U WLB 7M FRAN 17S GO EXCEL L18
GO MS 3196 ADVANCE R134
C&L DOUBLE TIME 452M 9B
CRR D03 JULIANNE 217
HAROLDSON WLB MUTUMBO ET 72M
WLB 035J FLORA 14N
WLB FRESH 035J 7M
WLB 5131E L1 DOMINETTE 14K

WLB EMPIRE 980 91Z

Registration No.: C02967764 Born: February 12, 2012 BW: 94 lbs WW: 775 lbs. adj Nov. 20th: 1100 lbs. Semen Certificates Required: No

Price: \$400.00 for 10 Straws

Empire won his class at Agribition where he was one of the most kicked up calves. He is dark, pigmented, long, deep and thick, thick, thick!!!





WLB Global 72M 50S

WLB Fresh 035J 7M

Kootenay Polled Herefords Murray Gore Ed Conroy mgore1@telus.net P:(250)365-3270

North Bluff Farms Inc.

Vic Redekop P:(604)856-7279

www.BRAUNRANCH.com

BR 9279 EXTRA DEEP 15Z

Registration No.: C02969818 Born: February, 11, 2012 BW: 96 lbs WW: 800 lbs. adj Semen Certificates Required: No

Price: 40 Straws/\$2500.00 & 20 Straws/\$1500.00

GO EXCEL L18 **ECR L18 EXTRA DEEP 9279** OXH CHRISTI 0028

CC 56M SULLIVAN 42R **DBHR 42R SILVER 102T** DBHR 167L SILVER STAR 85P AGA 44C SILVER 167L

DD EXCEL DESIGN 40 GO MS 124 ADVANCE 7005 CL 1 DOMINO 5131E OXH LOLA 8328

LBH 20J STANMORE 56M CC 129D JEWEL 81K DBHR STAR BRITISHER LASS ET 1G

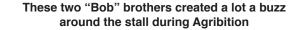
EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REAMARB 0.3 3.7 55.2 76.8 24.4 52.0 0.1 0.8 70.2 -0.9 164.9 117.6 0.003 0.33 -0.06

ACC .08.37 .29 .28 .11 - .06 .10 .18 .32 .24 .17 .11 .14 .10

Thanks to Hill 70 Quantock for Purchasing half interest in BR 15Z. **Bill & Sherry Creech**



Box 756 Lloydminster, AB/SK S9V 1C1 P:(780)875-8332 F:(780)875-8332 info@hill70quantockranch.com www.hill70quantockranch.com



- ~Exiting New outcross genetics
- ~Short marked, pigmented and easy fleshing
- ~Moderate Birth Weights with great performance
- ~Sire ECR L18 Extra Deep 9279 aka "Bob". Bob was the 2010 Denver High seller. He is also the most consistent AI sire used here at Braun Ranch



~"Bob" sired the 2012 Agribition Junior Champion Get of Sire, Agribition Hereford sale second high selling heifer calf. Bob calves were also the Champion Pen of Bulls and Champion Pen of Heifers at the Medicine Hat all breeds pen show.

~Maternal pedigree that sires powerful bulls and stout females

BR 9279 EXTRA DEEP ET 106Z

Registration No.: C02973124 Born: February 3, 2012 BW: 88 lbs WW: 809 lbs. adj Semen Certificates Required: No

Price: 40 Straws/\$2500.00 & 20 Straws/\$1500.00

GO EXCEL L18 **ECR L18 EXTRA DEEP 9279 OXH CHRISTI 0028**

DBHR 15R REALITY 17R **DBHR 17R REALITY 78T**

DD EXCEL DESIGN 40 GO MS 124 ADVANCE 7005 CL 1 DOMINO 5131E OXH LOLA 8328

JMSH BRITISHER DOMINO 15R DBHR 86L STARLET 23N DBHR 64H RIBSTONE LADY 22P STANDARD 16E RIBSTONE 64H DBHR DOUBLE BRIT LASS 85E

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REA MARB

0.4 3.6 46.5 68.5 24.5 47.8 0.8 0.6 61.3 -- -0.004 0.31 -0.07 .21 PΕ .09 .13



OXH CHRISTI 0028 Dam of ECR L18 Extra Deep 9279





Medicine Hat All Breeds Beef Pen Show 2012 Grand Champion Purebred Bulls

Dick & Lorraine Braun P: 306-297-6404 Simmie, SK, S0N 2N0



ECR L18 EXTRA DEEP 9279 Sire of BR 15Z & BR 106Z

Craig & Carrie Braun P: 306-297-2132 C: 306-297-7114 braunranchltd@gmail.com



BBSF 101N WRANGLER 29W

Registration No.: C02926002 Born: February 17,2009 Semen Certificates Required: No

Price: 20 Straws for \$1,000.00

- -High Seller in Brost Land & Cattle's Annual Production Sale 2009
- -2nd in class at the National Western Stock Show, Denver in 2011

Wrangler is a very athletic, free moving and attractive bull. Has bred many high sellers for both Brost's and Crittenden's.



Brost Land & Cattle Co. Box 96 Irvine, AB T0J 1V0 P:(403)834-2262

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI 0.7 5.3 51.7 95.2 27.7 53.6 2.5 0.8 116.0 -2.4 152.3 131.0 0.018 0.32 0.03 .21 .72 .58 .56 .18 - .16 .15 .34 .75 .51 .32

BLAIR-ATHOL 65F ON LINE 13K RU 20X FUTURE 65F **BLAIR-ATHOL 13K MAJOR 101N** BLAIR-ATHOL 25C AMIGA 20K

NJW 1Y WRANGLER 19D **BBSF 19D UNIQUE 1P** BBSF 23C UNIQUE 9M

Crittenden Bros. Box 158 Imperial, SK S0G 2J0

P:(306)963-2414

MHR 2B MILDRED 76B 56D NJW Z17 VAQUERO 25C BLAIR-ATHOL LADY GRACE 14F

CIRCLE-D WRANGLER 832W NJW FROSTY 1Y JSF 37 271 DEVO 23C BBSF 7C UNIQUE 1K

Jay Holmes Box 158 Semans, SK S0A 3S0 P:(306)524-2762



TH 104U 719T VICTOR 164X

Registration No.: C02956690 Born: March 3,2010 Semen Certificates Required: No

Price: 20 Straws for \$1,000.00

-Champion 2 year old bull at the World Hereford Conference 2012

Victor is a clean made, big topped, muscular and eye appealing bull. Easy fleshing, super disposition with great testicles.

EPDS CE BW WW YW MM TM MCE SC CW Stav MPI FMI FAT REA MARB 3.6 5.1 59.5 96.7 23.1 52.9 0.9 1.1 110.6 163.9 - 0.017 0.50 - 0.04 ACC .14 .40 .33 .34 .14 - .11 .15 .24 23

DRF JWR PRINCE VICTOR 71 TH 122 71I VICTOR 719T KBCR 19D DOMINETTE 122

LCG MASTER CLASS 76S TH 33F 76X EXQUISITE 104U III MS EXQUISITE 33F

HRP THM VICTOR 109W 9329 **RHF 964 VICTRA 4057** NJW 1Y WRANGLER 19D **KBCR DOMINETTE 9112**

DR WORLD CLASS 517 10H LCG FANCY LYDA 86M **REMITALL BOOMER 46B** III MS MAUREEN 17X

Brost Land & Cattle Co.

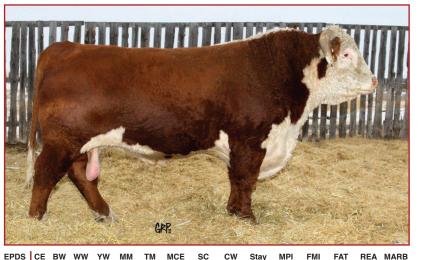
Box 96 Irvine, AB T0J 1V0 P:(403)834-2262

Coppertone Farms Ltd. 420 Short Road. Abbotsford, BC V2S 8A7

P:(604)852-4745

Tee Jay Polled Herefords Box 160

Balcarres, SK S0G 0C0 P:(306)334-2727



SRIAD 447 MH DAKOTA 0230 JV ANGEL 684

.20 .72 .65 .63

ACC

MH PATRIOT MH MISS PATRIOT 971 MH MISS RUSTY 476

-1.2 2.8 56.2 98.5 35.2

.38

.21

.40

UPSTREAM LAD 1082 SR KARA 871 JV GENERAL 418 VR MISS DOMETT D98

.39

BB PATRIOT 0293 MH MISS DONNA 921 XTD 6T RUST TEMPEST ET 9A MH MISS ADVANCE 8195

0.35

.42 .38

0.08

MH DAKOTA LAD 6238 1ET

Registration No.: C02911195 Born: April 8, 2006 Semen Certificates Required: No

Price: \$50.00/straw minimum 20 straws

Semen available for: Canada & USA

- High seller at 2008 Mrnack Herefords bull sale.
- Mother was 2001 Denver Champion Female,
- EPD trait leader in growth and total maternal,
- Principal sire in WHC 2012 Grand Champion pen of three bulls,
- Sons have extra muscle.
- Daughters very feminine and great producers.



EPDS CE BW Stay CW MPI REA MARR 3.9 43.9 73.1 18.2 40.2 2.8 0.7 75.0 -0.1 143.7 104.8 0.017 0.19 -0.11 ACC .38 .31 .33 .12 .28 21 .32 .25 23

FE 101J SUPER RIB 129P SGC 129P SUPER LAD 102T SGC 24L SUPER STD 7P

K 64H RIBSTONE LAD 157K **LBH 157K MISS RIBSTONE 26T** AGA 191G MISS STANDARD 209J AGA 277D STANDARD 191G

FE 7F SUPER LAD 101J FE 17E EXTRA LASS 130K JOINT-CREEK 1H SUPER LAD 24L SGC 787 STANDARD LASS 25M

STANDARD 16E RIBSTONE 64H K 61Z SUPER LADY 41G AGA 137Y MISS STANDARD 115A

LBH 102T SUPER RIB 335X

Registration No.: C02945235 Born: March 14, 2010 BW: 80 lbs WW: 631 lbs.adj YW: 1066 lbs.adj Semen Certificates Required: No

Price: \$50.00/straw minimum 20 straws

Semen available for: Canada, USA & Australia

- High seller and Res. Jr. Champion at 2012 Medicine Hat Bull Sale,
- 80 lb. birth weight,
- Large red patches on both eyes and red to toes.
- Extra length.



Merle & Neeltje Wyatt and Family

P: (403)534-2277 Peter: (403)485-2246 Box 30, Arrowwood, Alberta, T0L 0B0 C: (403)485-8289 C: (403)423-0083 wyatt@wildroseinternet.ca



LBH 168T STANDARD 397W

Registration No.: C02935104 Born: September 18, 2009 BW: 92 lbs WW: 623 lbs.adj YW: 1,083 lbs.adj Semen Certificates Required: No

Price: \$60.00/Straw or \$50.00/Straw for 20 or more straws
Semen qualifies Worldwide, including Europe

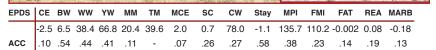
397W is one of the longest bulls we ever raised and probably the smoothest shouldered bull we ever owned. He is Google eyed on both sides and is solid red. Born in September 2009 as one of eight fall calves as a result of bull trouble, thus the reason for being De horned. We managed to keep him IBR free and as a result his semen qualifies to go to Europe. His

pedigree includes some of the top old cattle raised in our herd with a lot of longevity, like the donor cow 115A.

LBH 73L STANDARD 268P **LBH 268P STANDARD 168T** LBH 77H MISS RED BRITISHER 58R

LBH 114L GENERAL 193N LBH 193N MISS GENERAL 109T AGA 33G MISS STANDARD 171K

AGA 191G STANDARD ET 73L LBH 22B MISS RED DOMINO 102M AGA 16F BRIGADER 77H AGA 4016 MISS STANMORE 43L AGA 13G GENERAL 114L AGA 137Y MISS STANDARD 115A AGA 656U STANDARD 33G MISS 50Y BRITISHER AGA 79T



LBH 157K RIBSTONE 40W

Registration No.: C02928516 Born: February 7, 2009 BW: 93 lbs WW: 786 lbs.adj YW: 1,111 lbs.adj Semen Certificates Required: No

Price: \$60.00/Straw or \$50.00/Straw for 20 or more straws

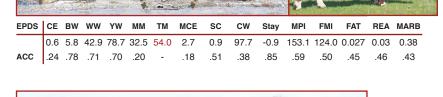
Semen qualifies to Canada, USA, & Uruguay

The best 157K son we raised and probably the most exciting bull we own. His sire 157K needs no introduction and his dam LBH 20S is one of our best young females in the herd, she raised the high indexing Heifer Calf in the herd as a first calf heifer. We believe in and used 40W heavy and he has already 164 registered calves in his first two crops. His females and bulls look terrific, sons working at Bar Pipe Ranch, Carlrams Ranching and Arnold Kruger's.

STANDARD 16E RIBSTONE 64H
K 64H RIBSTONE LAD 157K
K 61Z SUPER LADY 41G

XTC KING'S DIAMOND LAD 87M **LBH 87M MISS DIAMOND 20S** LBH 91L MISS STANDARD 231N

STANDARD RIBSTONE 16E STANDARD LASS 23E SNS SUPER PACE ET 61Z K 58X MASTER LADY 89Z BCD 721G KING 6K XTC 9A TEMP DIAMOND 36D AGA 191G STANDARD ET 91L AGA 18E MISS HOT SHOT 25G



CC 77J STERLING 39T

Registration No.: C02900023 Born: January 31, 2007 BW: 73 lbs WW: 743 lbs. adj YW: 1,117 lbs. adj Semen Certificates Required: No

Price: \$60.00/Straw or \$50.00/Straw for 20 or more straws
Semen qualifies to Canada, USA, Australia, Paraguay, Uruguay,
Argentina, New Zealand & South Africa

Look at his curve bending EPD's, low birth weight to high growth, what a set of numbers. On his first two sets of calves born here at Lilybrook, 36 bull calves averaged 78.3 lbs birth weight, 13 heifer calves averaged 76.6 lbs, yet look at the performance of his sons. He sired the high sellers, LBH 39T STERLING 53W to Upstream Ranch and LBH 39T STERLING 138W to Misty Valley Farms and Mark Law. 39T has 15 sons working in Purebred Herds so far.

FE 07Y SUPER 129D CC 129D SUPERMAN 77J CC 42W JULIANA 66Z

LBH 20J STANMORE 56M CC 56M SYLVIA 3R CC 8K SYLVIA 11N JDA 15W SKYWALKER 07Y FE 412 DANDY 56X DMF 81N STANDARD 42W CC ARROW BRITISHER LASS 47T AGA 121G STANMORE 20J AGA 5C MISS ENERLAD 95K WINDY-HILL 26H CASANOVA 8K CC 80H SYLVIA 140L

Hans Ulrich

(403): 625-2237



54 2 82 9

Andy & Margaret Schuepbach

28

Phone: (403) 625-4693 Cell: (403) 625-6316 Fax: (403) 625-1500

27

Box 2044, Claresholm, AB T0L 0T0 10 miles (16 km) East of Claresholm to sign, then 4 1/2 miles (7.2 km) North Email: andy@lilybrookherefords.com www.lilybrookherefords.com

REA

-0.12 0.29

132 2 0 017



Registration No.: C02943921 Born: March 16, 2010 BW: 98 lbs WW: 741 lbs. adj YW: 1,285 lbs. adj Semen Certificates Required: No

Price: \$60.00/Straw or \$50.00/Straw for 20 or more straws Semen qualifies to Canada, Please inquire for other countries

For Semen Contact Lilybrook Herefords or McCoy Cattle

105X left us here at Lilybrook a tremendous set of first calves. bull calves averaged at 106 weaning index and the heifers at 103, on top of that he left us no horned calves out of our strait horned cow herd. Look at his curve bending EPD's, they are impressive. He was Senior Champion bull and Reserve Grand Champion at the 2012 Farm Fair International Show, where he attracted a bit of attention. Probably one of the easiest keeping bulls on our ranch, his dam is still going at the age of 17 years of age, a proven older pedigree that will be the foundation of our polled cow lines.

EPDS CF BW WW YW TM MCF SC CW Stav MPI RFΔ MARR 2.3 3.5 57.3 100.9 20.6 49.3 2.1 8.0 115.3 -1.6 154.2 125.9 0.028 0.49 0.01 .20 .59 .50 ACC .42 18 28 .69 46 14 .19 .12

REMITALL KEYNOTE 20X RU 20X GALAXY 58G RU 10A ELM 57E

REMITALL TEAMSTER 9T REMITALL PATRICIA 99P REMITALL ACME 10A **RU 40L BUTTERCUP 57Z**

DUSTY-DEE P183 DUALLY 36A MCCOY 36A SUSIE 75F SQUARE-D SUSIE 662Y

JR NICK THE BUTLER P183 **DUSTY-DEE 302R DESTINY 8Y RLOA ULTIMO ET 74U** HAROLDSON'S STUCK-UP LADY 26P



Andy & Margaret Schuepbach

Phone: (403) 625-4693 Cell: (403) 625-6316 Fax: (403) 625-1500 Box 2044. Claresholm, AB T0L 0T0

10 miles (16 km) East of Claresholm to sign, then 4 1/2 miles (7.2 km) North Email: andy@lilybrookherefords.com www.lilybrookherefords.com

The Nicholas Family

Chad & Carrie (306) 436-2086 Fax (306) 436-4613 Gary & Florence (306) 436-4301 Box 479, Milestone, SK SOG 3L0

cnicholas@mccoycattle.com www.mccoycattle.com McCoy Cattle Co.





Price: \$60.00/straw or \$50.00/straw for 20 or more straws Canadian Qualified



Price: \$60.00/straw or \$50.00/straw for 20 or more straws Canadian & US Qualified



Price: \$60.00/straw or \$50.00/straw for 20 or more straws Canadian & US Qualified



SS-TOPLINE POWERHOUSE ET 888Z

Registration No.: C02975231 Born: February 15, 2012 BW: 98 lbs WW: 973 lbs adj YW: 1495 lbs adj Semen Certificates Required: No

Price: Please Call For Pricing

Tremendously powerful bull with a 4lb/day gain. Admired by Cattlemen everywhere, we display him. King of the Ring, top of the Hereford breed at Stockade Roundup. Farm Fair International Class Winner. We will Breed many of our cows to Powerhouse, if you have seen him, you will know why. Bob Trefiak 780 842-7836 or Archibalds 842-0118

EPDS	CE	BW	ww	YW	MM	TM	MCE	SC	CW	Stay	MPI	FMI	FAT	REA	MARB
	-1.1	4.8	57.0	100.1	16.9	45.4	2.3	0.8	132.8	1.0	-	-	-0.012	0.64	0.15
ACC	PE	.22	.20	.21	.15	-	PΕ	.14	.17	PE	-	-	.16	.16	.16
	•	GH	DIFF	EREN	CE BI	RITISH	HER 45	ΣL		AR	STANI	DARD	PREFO	DRME	R 146P
GH N	EON	17N	C028	27131	l			(3H PRE	FORM	IANCE	PAS	SION 12	6S	
		GH	SIR S	IMBA	LASS	3 107				GH	PEAR	L'S P	ASSION	ET 2	9P



GH ADAMS EVEREST ET 244U

Registration No.: C02912716 Born: February 11, 2008 BW: 86 lbs. adj WW: 695 lbs. adj YW: 1,247 lbs. adj Semen Certificates Required: No

Price: \$50.00/Straw - volume discount available

Semen qualifies EEC

The herd sire that has all the EPDs to fit into any breeding program and a pedigree to make it better. GH Misty Robin 305M had a tremendous show career and produced some of the very best. Yankee, Churchill's high dollar Neon son make Everest's progeny worth the investment. We have had great success in our program breeding heifers to 244U.

Please call and make plans to visit us, see our genetics and a complete listing of semen.

Semen and Embryo's from World Class Genetics. Canadian and International Qualified.

EPDS	CE	BW	ww	YW	MM	TM	MCE	sc	CW	Stay	MPI	FMI	FAT	REA	MARB	GH NEON 17N	AR MR ROBIN 2798
	0.6	3.6	45.4	82.2	24.7	47.4	4.6	0.5	125.5	-0.1	145.1	176.7	-0.030	0.29	0.26		GH MISTY ROBIN 305M
ACC	.13	.45	.31	.31	.20	_	.11	.15	.23	.14	.21	.22	.19	.20	.18	CHURCHILL LADY 202	JV JENNY 422



Sheldon & Shannon Archibald

(780) 754-2850 Formerly Trefiak Herefords Since 1945 The Genetics You need! For The Cattle You Want! www.sscattle.ca sscattle@telus.net Registered Horned & Polled Herefords Topline Baldie Commercial Cattle

SHAR-LO WONDER NUGGET ET 6Y

Registration No.: C02963003 Born: March 30, 2011 Semen Certificates Required: No BW: 95 lbs YW: 1346 lbs Weight at 20 Months: 2005 lbs SC: 42.5 cm

Price: \$50.00/Straw minimum 5 Straws

Orders over 25 Straws receive a 10% discount



Index 124.8 the highest of all Breeds at the Nappan Test Station in Nova Scotia His Yearling Weight of 1346 lbs was the 2nd highest of all breeds at the Nappan Test Station.

Son of the well known "Wonder Bull" from Remitall West!

															MARB
	-2.2	4.2	49.6	89.0	17.3	42.1	0.1	1.2	98.9	-	-	-	0.005	0.45	0.09
ACC	PE	PΕ	PE	PE	PE	PE	PE	PE	PE	_	_	-	PE	PE	PE

KCF BENNETT 3008 M326 SHF WONDER M326 W18 ET SHF GOVERNESS 236G L37

OIII GOVEINIVEGO 2000 E07

PLPH TAHLIA 112T

FCC 60G MADDUX 4L GLENBURN BROOKE 4N RRH MR FELT 3008 KCF MISS 459 F284 MM RSM STOCKMASTER 512 SHF INTERSTATE D03 G80 JSF 23 NIBBS 60G SVR 15D JADE 554G HAROLDSON'S DRUMMOND ET 56G H-BAR-C ELLDEM 926Y SUSIE 115E

SHAR-LO Farms

Lloyd & Sharon Francis C: (506)333-3160 P: (506)214-6300

8698 Route 102, Public Landing, NB, E5K 4L3

Shar-Lo Farms

XTC Embryos for Sale

Call For Pricing (Limited Number Offered) Embryos stored at Davis Reardon, Crossfield, AB

We are pleased to offer a great embryo mating this spring. The Bob bull needs little introduction after the great showing his progeny had at Agribition and Medicine Hat Pen Show this past fall for Braun Ranches. They won both Champion Pen of Bulls and Females in a large multi breed show. This bull shows the ability to really produce the elite type of females, as well as good doing, maternal and carcass quality bulls. The 85M cow is one of our most productive and profitable females. We have four daughters in the herd and her bulls always sell at the top of our consignments. She is extremely deep sided, stout and thick, yet retains the fresh feminine look of a broody productive cow. Still very productive and good uddered for 11 years of age, she is sound, and very good footed. The kind of cow you want behind your herdbull.



ECR L18 EXTRA DEEP 9279



Dam: VIKING SILVER MISS 85M

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REA MARB

2.0 1.9 52.8 71.6 26.9 53.3 2.0 0.7 42.8 - - 125.7 -0.009 0.57 -0.07

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REAMARB
-1.8 5.2 39.3 70.5 14.6 34.3 0.7 0.5 107.4 -0.5 127.0 110.7 0.005 0.04 -0.13

Expected Average Progeny Values

EPDS CE BW WW YW MM TM MCE SC CW Stay MPI FMI FAT REA MARB

0.1 3.6 46.1 71.1 20.8 43.8 1.4 0.6 75.1 - - 118.2 -0.002 0.31 -0.10

GO EXCEL L18 ECR L18 EXTRA DEEP 9279 OXH CHRISTI 0028 DD EXCEL DESIGN 40 GO MS 124 ADVANCE 7005 CL 1 DOMINO 5131E OXH LOLA 8328

FA SILVER CANADIAN ET 37D VIKING SILVER MISS 85M SANDHILL GEM L11 SNS SILVER PRAIRIE 50B FA BRITISHER LADY ET 1Y XTD 6T RUST TEMPEST ET 9A STANDARD LADY 9148



The Templetons

Byron and Carolyn, Roberta and Rosie
P: (403) 345-3889 Byron's Cell: (403) 308-9971
Travis and Jocelyn (306) 295-7246
xtcherf@shockware.com www.xtcherefords.com



AGA 13G GENERAL 114L

Registration No.: C02795506 Born: February 22, 2001 BW: 94 lbs. WW: 687 lbs. ^{adj} YW: 1,207 lbs. ^{adj} Semen Certificates Required: No



Price: \$70.00/straw

Top % Of Breed For: SC 1%, STAY 15%, MPI 20% Our favorite Trait Leader was named the Southern Alberta Bull Spectacular "People's Choice" winner in 2002. Since then his progeny have won the same award & other honours. 114L's dam was a "Dam of Distinction" out of a "Dam of Great Distinction" out of our great foundation cow,

61N! 114L's females are incredible – femininity with thickness, volume, sound feet & legs and easy keeping. Stunning good looks plus heavy weights at 205 days & on, keeps 114L on top with the best avg YR indexes year after year.

AGA 20J STANMORE 21M

Registration No.: C02805799 Born: February 12, 2002 BW: 92 lbs. WW: 674 lbs. adj YW: 1,095 lbs. adj Semen Certificates Required: No



Price: \$70.00/straw Top % of the Breed: CE 30%

BW 10%, WW 30%, Milk 1%, TM 1%, MCE 1%, MPI 1%, FMI 10%, Marb 10% 21M ranks in the top % of the Hereford breed in many traits, particularly CE & BW!He produces offspring with lots of vigor at birth, good performance and daughters that we are very proud of. Over 90 of his calves in our herd averaged

77 lbs birth weight yet still indexed above average for both weaning and yearling! 21M is breeding exceptionally well - great calving ease, milk & growth and marbling - the whole package. Trait leader in 5 areas.

EPDS CE BW WW YW MM TM MCE SC CW Stay REA MARB EPDS MPI FMI CE BW WW YW MM TM MCE SC CW Stay FAT MPI FMI REA MARE 7.1 46.0 81.8 21.6 44.6 0.4 1.6 79.3 1.1 153.3 125.9 -0.009 -0.12 -0.16 1.0 50.5 76.4 36.3 61.6 6.0 0.7 65.5 0.2 176.0 146.4 -0.007 -0.32 0.20 .85 .80 .81 .68 - .44 .58 ACC .86 .62 .59 ACC .81 .75 .76 .64 - .35 .40 .67 .65 .62 .86 .74 .60 .52 .77 .55 .55

GENERATOR STANDARD 10A GEM GENERAL 13G AD 75N LASS 31W

STANDRD LAD 656 4ET **AGA 656U MISS STANDARD ET 17H** AGA MISS 80S VOLTAGE ET 14X

SNS GENERATOR 28X MISS 417 STAN SUPERB 7Y MF STANDARD LAD 75N COMMANDER LASS 14T

HI STANDARD LAD 20P BELL L 60H DOMINO LASS 82K LCI ET HIGH VOLTAGE 80S MISS 51K BRITISHER AGA 61N AGA 4016D STANMORE 121G AGA 121G STANMORE 20J AGA 40E MISS STANMORE 80G

XTC 15Z ENERLAD STAN 5C AGA 5C MISS ENERLAD 68K AGA 154F MISS BRITISHER 159H

CTY K STANMORE 4016D AGA 99B CENTENNIAL 51D AGA 9012 STANMORE 40E AGA 16B MISS GENERATOR 20E

XTC ENERLAD SELKIRK 15Z XTC 37Y STAN LASS 82A AGA 37B BRITISHER 154F AGA 22B BRIGADER 83F



For embryos and other semen available, please contact Peter: (403) 625-1036
Peter Ulrich
Hans Ulrich

Cell: (403) 625-1036

Box 843, Claresholm, AB T0L 0T0

Phone: (403) 625-2237 Email: peter@ulrichherefords.com



National Polled Hereford Reserve Champion Junior Yearling Bull
- 2012 World Hereford Conference



ECR LOOSE CHANGE 1251

Registration No.: C02969013 Born: April 6, 2011
BW: 83 lbs. adj WW: 891 lbs. adj
Semen Certificates Required: No

Price: \$40.00/Straw minimum 5 Straws

LOOSE CHANGE is the new Hereford. He is the type to exhibit an abundance of muscle shape down into the lower third of his quarter. He is square made and stands on a big solid made foot. He carries pigmentation and a well hooded eye. Use him to add muscle shape, pounds at weaning and to add REA. He has had a powerful show career in his first three Canadian outings being named WHC Reserve Junior Champion, Lloydminster Stockade Roundup Grand Champion and top 4 Lloyd Supreme, and also rounding out the season placing in the top 6 of all the Bulls in the Alberta Supreme Show at Farmfair. We believe he has a bright future in the breed and in the industry as he exemplifies the characteristics that in turn turn to profit in the cattle business. Unique pedigree and on a unique individual. Feel free to contact us anytime with any inquiries.

EPDS	CE	BW	ww	YW	MM	TM	MCE	SC	CW	Stay	MPI	FMI	FAT	REA	MARB
	4.0	4.1	71.6	112.8	18.9	54.7	3.5	0.5	106.6	-	-	153.4	0.004	1.05	-0.07
ACC	.08	.37	.30	.31	.10	-	.07	.09	.21	-	-	.20	.18	.18	.15
				RET				REMITALL ONLINE 122L							
							DM L1 DOMINETTE 820								

PURPLE CURRENCY 24U ET
PURPLE MARILYNNE 9M

NJW 1Y WRANGLER 19D ECR 19D HUNNY 7149 ECR 557 MISS HUNNY 5149 12ET - - .20 .18 .18 .15
REMITALL ONLINE 122L
DM L1 DOMINETTE 820
JSF 37 271 DEVO 23C
JH MISS MADALYNNE
CIRCLE-D WRANGLER 832W
NJW FROSTY 1Y
HH EUREKA 557M
RCH L1 DOMINETTE 0001

Edgerton, AB, Canada Email: gjpugh@hotmail.com Web: www.pughfarms.ca

Pugh Farms Est. 1910

Farm: (780) 755 - 2207 Greg: (780) 806 - 1319 Jim and Linda: (780) 842 - 7988 Neil: (780) 842 - 8809

K-Cow Wideload 87W

Registration No.: C02930395 Born: March 21, 2009 BW: 96 lbs WW: 908 lbs.adj YW: 1338 lbs.adj Semen Certificates Required: No

Price: 20-dose semen packages: \$1,000.00

DNA verified to be Homozygous Polled

Possesses some of the highest gain EPD's of the breed... and NOTHING BEATS PRICE TIMES POUNDS!

WIDELOAD on the move! http://www.youtube.com/watch?v=jUKjq4tyaBY

Champion Mature Polled Hereford Bull 16th WHC Olds





FPDS CF BW MARR RFΔ FΔT 63 83 81 8 133 8 23 0 130.2 0.007 0.01.39 .39 05 25 .61 37 03

DXB 73J PROWLER 35M

DXB 35M TORQUE 26T

BAR-E-L 74F CHANTELLE 16K

K-COW NACHO MAN ET 36N DUNROBIN SALSA 87S DUNROBIN REDLADY 77P REMITALL JONATHON 73J BAR-E-L 823B VICTORIA 44D RU 20X BOULDER 57G TA-BAR CHANTELLE ET 74F CS BOOMER 29F TEE-JAY 2Z ORCHID ET 20D DUNROBIN REDMAN 75L DUNROBIN STANDARD LADY 20L

> **Wayne Skelton** RR#1 Winfield, AB T0C 2X0 P: (780) 839-8600

lklcows@gmail.com www.skeltoncattlecompany.com





NBG 69T The Wonderer 36R ET 3W Registration No.: C02927066 Born: January, 7, 2009 BW: 93 lbs WW: 881 lbs. adj Semen Certificates Required: No

Price: \$40.00/straw minimum 10

Semen available for: Canada, USA, E.U. approved including Eastern Europe



EPDS CE BW WW YW Stay MPI FМI FAT 2.7 4.8 56.6 92.8 18.0 101.8 154.0 135.8 -0.004 0.62 -0.09 -1.0 ACC .26 .69 .43 .16

KAIRURU ABERDEEN 03 0047 **HARVIE TRAVELER 69T** HARVIE PEARL 129P

REMITALL KEYNOTE 20X **BLAIR-ATHOL 20 GRETCHEN ET 36R** MHR 35A HAZEL 54A 18D

LEELANDS TRANSITION T7 KAIRURU PLUM T44 LEVELDALE KODIAK 23C ET 19K EASTON 26Y IRON LADY 43A

REMITALL TEAMSTER 9T REMITALL PATRICIA 99P GK ROCK STEADY 35A MHR 3W HAZEL 91T 54A

REA MARB His calves continue to do well in the show ring and feedlot

News Flash - Son of NBG 3W - Justa 3W Rambler 1T 3Z (tattoo DJA 1Z) is in the top 10% of weight gain at Cattleland 2012-2013 Feed Conversion Trials.

"very impressed with Wonderer calves, show quality" -Quote from Breeder in Denmark

Just Joined the Team

SOUARE-D FRANKLIN 995Z

Registration No.: C02971808 Born: March 8, 2012 BW: 95 lbs

Semen Expected in 2014

EPDS	CE	вw	ww	YW	ММ	TM	MCE	sc	cw	Stay	MPI	FMI	FAT	REA	MARB
	-1.1	4.8	49.4	82.8	22.8	47.5	2.2	0.7	81.2	-	-	115.6	0.011	0.23	-0.11
ACC	.07	.37	.21	.20	.09	-	.06	.05	.14	-	-	.11	.05	.08	-0.11 .04

RVP STAR 533P CAN-AM ET 57U STAR MARKET INDEX 70X ET NJW 29M INVESTOR GAL 129R

HEREFORDS

STAR BRIGHT FUTURE 533P ET STAR BONNIE BETH 54N KJ 520E INVESTOR 532M ET NJW 57G 23E DEW 29M

SADDLE-VALLEY 203E HAMM 822H **SQUARE-D JAEDON 659P** SQUARE-D VICTORIA 594J

SADDLE-VALLEY HEISMAN 203E SADDLE-VALLEY GOLDIE 45D SQUARE-D EDGE 694D SQUARE-D KEEPSAKE 994C



P: (613)489-3136

C: (613)791-7505

F: (613)489-1006

2932 Mackey Rd. North Gower, Ontario K0A 2T0 nbghereford@xplornet.com www.nbgpolledherefords.com



Son of Market Index

lotes:

2013 Gestation Table

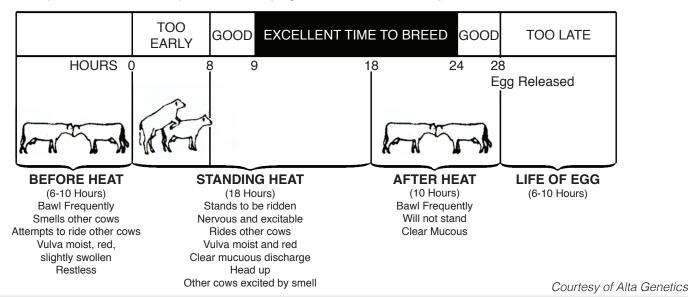
Jan. 1	Date of Service	Date of Birth										
Jan. 2 Oct. 13 Mar. 4 Dec. 13 May. 4 Feb. 12 Jul. 4 Apr. 14 Sept. 3 Jun. 14 Nov. 3 Aug. 15 Jan. 4 Oct. 15 May. 6 Feb. 13 Jul. 5 Apr. 15 Sept. 4 Jun. 15 Nov. 5 Aug. 15 Jan. 4 Oct. 15 Mar. 6 Dec. 15 May. 6 Feb. 13 Jul. 6 Apr. 16 Sept. 5 Jun. 16 Nov. 5 Aug. 15 Jan. 4 Oct. 15 Mar. 6 Dec. 16 May. 7 Feb. 15 Jul. 7 Apr. 17 Sept. 6 Jun. 16 Nov. 5 Aug. 17 Jan. 6 Oct. 17 May. 8 Jul. 7 Apr. 17 Sept. 6 Jun. 18 Nov. 7 Aug. 18 Jun. 19 Nov. 7 Aug. 18 Jun. 19 Nov. 7 Aug. 18 Jun. 9 Oct. 18 May. 9 Feb. 17 Jul. 9 Apr. 19 Sept. 8 Jun. 19 Nov. 7 Aug. 18 Jun. 19 Nov. 9 Aug. 20 Jul. 19 Apr. 20 Sept. 8 Jun. 20 Nov. 14 Aug. 21 Jun. 19 Nov. 9 Aug. 20 Jul. 19 Apr. 20 Sept. 8 Jun. 20 Nov. 14 Aug. 21 Jun. 19 Nov. 9 Aug. 20 Jul. 14 Apr. 21 Sept. 10 Jun. 21 Nov. 14 Aug. 23 Jun. 14 Oct. 25 Mar. 18 Dec. 22 May. 13 Feb. 21 Jul. 13 Apr. 23 Sept. 14 Jun. 22 Nov. 11 Aug. 23 Jun. 14 Oct. 25 Mar. 18 Dec. 24 May. 15 Feb. 22 Jul. 14 Apr. 24 Sept. 13 Jun. 24 Nov. 13 Aug. 24 Jun. 18 Oct. 25 May. 16 Feb. 25 Jul. 16 Apr. 25 Sept. 14 Jun. 25 Nov. 14 Aug. 25 Jun. 18 Oct. 25 May. 16 Feb. 25 Jul. 16 Apr. 25 Sept. 14 Jun. 25 Nov. 14 Aug. 25 Jun. 18 Oct. 26 May. 17 Feb. 25 Jul. 14 Apr. 24 Sept. 13 Jun. 24 Nov. 13 Aug. 24 Jun. 18 Oct. 25 May. 18 Feb. 26 Jul. 18 Apr. 25 Sept. 15 Jun. 26 Nov. 15 Aug. 25 Jun. 18 Oct. 26 May. 17 Feb. 25 Jul. 16 Apr. 25 Sept. 15 Jun. 26 Nov. 15 Aug. 25 Jun. 18 Oct. 26 May. 17 Feb. 25 Jul. 16 Apr. 25 Sept. 15 Jun. 26 Nov. 15 Aug. 25 Jun. 18 Oct. 26 May. 18 Feb. 26 Jul. 18 Apr. 28 Sept. 17 Jun. 28 Nov. 15 Aug. 25 Jun. 18 Oct. 26 May. 18 Feb. 26 Jul. 18 Apr. 29 Sept. 18 Jun. 26 Nov. 15 Aug. 25 Jun. 18 Oct. 26 May. 18 Feb. 26 Jul. 18 Apr. 29 Sept. 18 Jun. 26 Nov. 15 Aug. 25 Jun. 18 Jun. 29 Nov. 17 Aug. 25 Jun. 18 Jun. 29 Nov. 18 Aug. 29 Jun. 29 Nov. 19 Aug. 30												
Jan. 4	Jan. 2	Oct. 13	Mar. 4	Dec. 13	May. 4	Feb. 12	Jul. 4	Apr. 14		Jun. 14	Nov. 3	Aug. 14
Man. Oct. 16	Jan. 3	Oct. 14	Mar. 5	Dec. 14	May. 5	Feb. 13	Jul. 5	Apr. 15	Sept. 4	Jun. 15	Nov. 4	Aug. 15
Jan. Oct. 17	Jan. 4	Oct. 15	Mar. 6	Dec. 15	May. 6	Feb. 14	Jul. 6	Apr. 16	Sept. 5	Jun. 16	Nov. 5	Aug. 16
Jan. 19	Jan. 5	Oct. 16	Mar. 7	Dec. 16	May. 7	Feb. 15	Jul. 7	Apr. 17	Sept. 6	Jun. 17	Nov. 6	Aug. 17
Jan. B	Jan. 6	Oct. 17	Mar. 8	Dec. 17	May. 8	Feb. 16	Jul. 8	Apr. 18	Sept. 7	Jun. 18	Nov. 7	Aug. 18
Jan. 9	Jan. 7		Mar. 9	Dec. 18	May. 9	Feb. 17	Jul. 9	Apr. 19	Sept. 8	Jun. 19	Nov. 8	Aug. 19
Jan. 10 Oct. 21 Mar. 12 Dec. 21 May. 12 Feb. 20 Jul. 12 Apr. 22 Sept. 13 Jun. 22 Nov. 11 Aug. 23 Jan. 13 Oct. 22 Mar. 14 Dec. 23 May. 14 Feb. 22 Jul. 14 Apr. 24 Sept. 13 Jun. 24 Nov. 13 Aug. 24 Jan. 13 Oct. 24 Mar. 15 Dec. 24 May. 16 Feb. 23 Jul. 14 Apr. 24 Sept. 13 Jun. 24 Nov. 13 Aug. 24 Jan. 14 Oct. 25 Mar. 16 Dec. 25 May. 16 Feb. 23 Jul. 18 Apr. 28 Sept. 13 Jun. 26 Nov. 15 Aug. 25 Jan. 14 Oct. 25 Mar. 17 Dec. 26 May. 17 Feb. 25 Jul. 18 Apr. 28 Sept. 15 Jun. 26 Nov. 15 Aug. 26 Jan. 15 Oct. 26 Mar. 17 Dec. 26 May. 17 Feb. 25 Jul. 18 Apr. 28 Sept. 15 Jun. 26 Nov. 15 Aug. 28 Jan. 17 Oct. 28 Mar. 19 Dec. 26 May. 18 Feb. 26 Jul. 18 Apr. 28 Sept. 17 Jun. 27 Nov. 16 Aug. 27 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 18 Feb. 27 Jul. 19 Apr. 28 Sept. 17 Jun. 27 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 20 Dec. 29 May. 18 Feb. 26 Jul. 28 Apr. 28 Sept. 17 Jun. 27 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 20 Dec. 29 May. 18 Feb. 27 Jul. 19 Apr. 29 Sept. 17 Jun. 27 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 20 Dec. 29 May. 20 Feb. 28 Jul. 20 Apr. 30 Sept. 19 Jun. 30 Nov. 18 Aug. 29 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 1 Nov. 2 Nov. 19 Aug. 30 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 20 Mar. 24 Jul. 24 May. 1 Sept. 20 Jul. 1 Nov. 20 Aug. 31 Jan. 29 Nov. 2 Mar. 24 Jan. 2 Mar. 2 Jul. 25 May. 2 Sept. 2 Jul. 3 Nov. 2 Sept. 2 Jul. 20 Nov. 24 Mar. 24 Jan. 2 May. 24 Mar. 4 Jul. 24 May. 4 Sept. 24 Jul. 5 Nov. 2 Mar. 24 Jan. 2 May. 24 Mar. 4 Jul. 24 May. 4 Sept. 24 Jul. 5 Nov. 2 Mar. 24 Jan. 2 May. 25 Mar. 2 Jul. 25 May. 5 Sept. 24 Jul. 5 Nov. 25 Sept. 3 Jul. 4 Nov. 2 Sept. 2 Jul. 3 Nov. 3 Mar. 25 Jan. 30 May. 26 Mar. 6 Jul. 25 May. 5 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jul. 26 Nov. 25 Sept. 2 Jul. 3 Nov. 3 Mar. 25 Jan. 30 Jan. 8 May. 25 Mar. 27 Jul. 27 May. 7 Sept. 26 Jul. 7 Nov. 25 Sept. 2 Jul. 3 Nov. 3 Mar. 27 Jan. 28 Jan. 29 Nov. 9 Mar. 24 Jan. 14 Jul. 25 May. 25 May. 5 Sept. 27 Jul. 8 Nov. 25 Sept. 15 Jul. 26 Nov. 25 Sept. 15 Jul. 26 Nov. 25 Sept. 15 Jul. 26 Nov. 25 Sept. 25 Jul. 3 Nov. 26 Sept. 16 Jul. 27 Nov. 27 Se	Jan. 8	Oct. 19	Mar. 10	Dec. 19	May. 10	Feb. 18	Jul. 10	Apr. 20	Sept. 9	Jun. 20	Nov. 9	Aug. 20
Jan 11 Oct. 22 Mar. 13 Dec. 22 May. 13 Feb. 21 Jul. 13 Apr. 23 Sept. 13 Jun. 25 Nov. 12 Aug. 24 Jan. 13 Oct. 24 Mar. 15 Dec. 24 May. 14 Feb. 22 Jul. 14 Apr. 25 Sept. 13 Jun. 25 Nov. 14 Aug. 24 Jan. 13 Oct. 24 Mar. 15 Dec. 24 May. 15 Feb. 24 Jul. 15 Apr. 25 Sept. 13 Jun. 25 Nov. 14 Aug. 25 Jan. 14 Oct. 25 Mar. 16 Dec. 25 May. 17 Peb. 25 Jul. 16 Apr. 25 Sept. 14 Jun. 25 Nov. 14 Aug. 25 Jan. 15 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 24 Jul. 16 Apr. 25 Sept. 14 Jun. 25 Nov. 16 Aug. 27 Jan. 16 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 24 Jul. 17 Apr. 27 Sept. 16 Jun. 27 Nov. 16 Aug. 27 Jan. 16 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 26 Jul. 18 Apr. 28 Sept. 17 Jun. 29 Nov. 18 Aug. 29 Jan. 18 Oct. 29 May. 20 Feb. 28 Jul. 19 Apr. 29 Sept. 19 Jun. 30 Nov. 17 Aug. 29 Jan. 18 Oct. 29 Jan. 17 Oct. 28 Mar. 19 Dec. 27 May. 18 Feb. 27 Jul. 19 Apr. 29 Sept. 19 Jun. 30 Nov. 18 Aug. 29 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 20 Feb. 28 Jul. 20 Jul. 19 Apr. 29 Sept. 19 Jun. 30 Nov. 18 Aug. 29 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 24 Mar. 1 Jul. 21 May. 2 Sept. 20 Jul. 1 Nov. 20 Aug. 31 Jan. 20 Oct. 31 Mar. 22 Jun. 24 May. 24 Mar. 3 Jul. 28 May. 25 Mar. 2 Jul. 24 May. 4 Sept. 23 Jul. 4 Nov. 20 Aug. 31 Jan. 20 Nov. 1 Mar. 25 Jan. 2 May. 24 Mar. 4 Jul. 24 May. 4 Sept. 23 Jul. 4 Nov. 20 Aug. 31 Jan. 20 Nov. 1 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 26 May. 6 Sept. 24 Jul. 5 Nov. 24 Sept. 4 Jul. 2 Nov. 2 Sept. 2 Jul. 24 Nov. 2 Mar. 24 Jun. 25 Mar. 2 Jul. 24 May. 4 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jul. 26 Nov. 25 Sept. 2 Jul. 24 Nov. 2 Mar. 24 Jun. 25 Jun. 25 Jun. 25 Jul. 25 May. 5 Sept. 25 Jul. 16 Nov. 25 Sept. 2 Jul. 24 Nov. 2 Mar. 24 Jun. 25 J					-			Apr. 21	•	Jun. 21		_
Jan. 13 Oct. 24 Mar. 14 Dec. 25 May. 14 Feb. 25 Jul. 14 Apr. 24 Sept. 13 Jun. 24 Nov. 18 Aug. 24 Jan. 14 Oct. 24 Mar. 15 Dec. 24 May. 16 Feb. 24 Jul. 16 Apr. 25 Sept. 14 Jun. 25 Nov. 14 Aug. 25 Jan. 14 Oct. 25 Mar. 16 Dec. 25 May. 16 Feb. 24 Jul. 16 Apr. 26 Sept. 15 Jun. 28 Nov. 15 Aug. 26 Jan. 15 Oct. 28 Mar. 17 Dec. 26 May. 17 Feb. 25 Jul. 17 Apr. 27 Sept. 16 Jun. 27 Nov. 16 Aug. 27 Jan. 16 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 26 Jul. 18 Apr. 28 Sept. 15 Jun. 27 Nov. 16 Aug. 27 Jan. 16 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 27 Jul. 18 Apr. 28 Sept. 17 Jun. 27 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 20 Dec. 29 May. 20 Feb. 27 Jul. 18 Apr. 28 Sept. 17 Jun. 27 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 20 Dec. 29 May. 20 Feb. 27 Jul. 18 Apr. 28 Sept. 17 Jun. 29 Nov. 18 Aug. 29 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 11 Nov. 20 Aug. 31 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 11 Nov. 20 Aug. 31 Jan. 29 Nov. 2 Mar. 24 Jan. 2 May. 22 Mar. 2 Jul. 23 May. 3 Sept. 23 Jul. 3 Nov. 2 Sept. 2 Jul. 23 Nov. 3 Mar. 25 Jan. 3 May. 26 Mar. 3 Jul. 25 May. 3 Sept. 23 Jul. 4 Nov. 25 Sept. 3 Jan. 29 Nov. 4 Mar. 24 Jan. 2 May. 26 Mar. 6 Jul. 25 May. 5 Sept. 23 Jul. 4 Nov. 25 Sept. 3 Jan. 26 Nov. 4 Mar. 26 Jan. 3 May. 26 Mar. 6 Jul. 25 May. 5 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jan. 26 Nov. 4 Mar. 26 Jan. 4 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jan. 26 Nov. 5 Mar. 27 Jan. 29 May. 28 Mar. 3 Jul. 27 May. 7 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jan. 26 Nov. 4 Mar. 26 Jan. 4 May. 28 Mar. 9 Jul. 27 May. 7 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jan. 26 Nov. 4 Mar. 26 Jan. 4 May. 28 Mar. 9 Jul. 29 May. 9 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jul. 28 Nov. 27 Sept. 27 Jul. 28 Jul. 29 Nov. 29 Nov. 27 Sept. 27 Jul. 28 Jul. 29 Nov. 29 Mar. 31 Jul. 29 May. 3 May. 26 Mar. 6 Jul. 27 May. 7 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jul. 29 Nov. 27 Sept. 27 Jul. 28 Jul. 29 Jul. 29 Nov. 29 Sept. 29 Jul. 29 Nov. 29 Mar. 31 Jul. 29 Jul. 29 May. 3 May. 40					-			•	Sept. 11	Jun. 22		. •
Jan 14 Oct. 25 Mar, 16 Dec. 24 May, 16 Feb. 23 Jul. 15 Apr, 25 Sept, 16 Jun. 25 Nov. 14 Aug, 25 Jan. 14 Oct. 25 Mar, 18 Dec. 26 May, 17 Feb. 25 Jul. 17 Apr, 27 Sept, 16 Jun. 26 Nov. 15 Aug, 26 Jan. 15 Oct. 26 Mar, 17 Dec. 26 May, 17 Feb. 25 Jul. 17 Apr, 27 Sept, 16 Jun. 27 Nov. 16 Aug, 27 Jan. 16 Oct. 27 Mar, 18 Dec. 28 May, 19 Feb. 25 Jul. 17 Apr, 27 Sept, 16 Jun. 29 Nov. 18 Aug, 28 Jan. 18 Oct. 29 Mar, 20 Dec. 29 May, 20 Feb. 26 Jul. 20 Apr, 30 Sept, 18 Jun. 29 Nov. 18 Aug, 28 Jan. 18 Oct. 29 Mar, 20 Dec. 29 May, 20 Feb. 28 Jul. 20 Apr, 30 Sept, 18 Jun. 30 Nov. 19 Aug, 39 Jan. 19 Oct. 31 Mar, 22 Jan. 18 May, 23 Mar. 3 Jul. 23 May, 2 Sept, 25 Jul. 1 Nov. 20 Aug, 31 Jan. 20 Oct. 31 Mar, 22 Jan. 18 May, 22 Mar. 3 Jul. 23 May, 2 Sept, 22 Jul. 1 Nov. 20 Sept, 18 Jun. 30 Nov. 21 Sept, 1 Jan. 29 Nov. 18 Aug, 30 Jan. 20 Nov. 18 May, 23 Mar. 3 Jul. 23 May, 2 Sept, 22 Jul. 1 Nov. 20 Sept, 24 Jul. 2 Nov. 21 Sept, 2 Jul. 20 Nov. 18 Aug, 30 Jul. 21 May, 1 Jul. 24 May, 4 Sept, 23 Jul. 4 Nov. 23 Sept, 2 Jul. 3 Nov. 22 Sept, 2 Jul. 20 Nov. 21 Sept, 2 Jul. 20 Nov. 21 Sept, 2 Jul. 20 Nov. 30 Mar, 25 Jan. 3 May, 25 Mar, 5 Jul. 26 May, 6 Sept, 26 Jul. 1 Nov. 25 Sept, 2 Jul. 20 Nov. 25 Sept, 25 Jul. 3 Nov. 22 Sept, 24 Jul. 25 Nov. 24 May, 24 Mar. 4 Jul. 24 May, 4 Sept, 23 Jul. 4 Nov. 23 Sept, 3 Jan. 2 Nov. 27 Sept, 25 Jul. 3 Nov. 22 Sept, 25 Jul. 3 Nov. 25 Sept, 26 Jul. 26 Nov. 27 May, 27 Mar, 27 Jul. 27 May, 27 Mar, 27 Mar, 27 May, 27 Mar, 27 Mar, 27 May, 27 Mar,					-				•			. •
Jan. 14 Oct. 25 Mar. 16 Dec. 25 May. 16 Feb. 24 Jul. 18 Apr. 28 Sept. 15 Jun. 26 Nov. 15 Aug. 28 Jan. 17 Oct. 26 Mar. 17 Dec. 26 May. 17 Feb. 25 Jul. 17 Apr. 27 Sept. 18 Jun. 27 Nov. 16 Aug. 27 Jan. 16 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 26 Jul. 18 Apr. 28 Sept. 18 Jun. 28 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 19 Dec. 28 May. 19 Feb. 27 Jul. 19 Apr. 29 Sept. 18 Jun. 29 Nov. 10 Aug. 28 Jan. 19 Oct. 29 Mar. 20 Dec. 29 May. 20 Feb. 28 Jul. 20 Apr. 30 Apr. 30 Sept. 18 Jun. 29 Nov. 18 Aug. 28 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 20 Feb. 28 Jul. 20 Apr. 30 Apr. 30 Sept. 18 Jun. 30 Nov. 19 Aug. 30 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 20 Feb. 28 Jul. 21 May. 1 Sept. 20 Jul. 1 Nov. 20 Aug. 31 Jan. 29 Nov. 18 Aug. 28 Mar. 24 Jul. 21 May. 2 Mar. 2 Jul. 22 May. 2 May. 2 Mar. 3 Jul. 23 May. 3 Sept. 22 Jul. 3 Nov. 20 Sept. 18 Jun. 29 Nov. 21 Sept. 19 Jul. 2 Nov. 21 Sept. 19 Jul. 2 Nov. 21 Sept. 19 Jul. 2 Nov. 21 Sept. 2 Jul. 2 Nov. 21 Sept. 2 Jul. 2 Nov. 24 Sept. 24 Jul. 2 Nov. 24 Sept. 2 Jul. 25 Nov. 2 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 25 May. 5 Sept. 25 Jul. 4 Nov. 23 Sept. 3 Jul. 23 Nov. 3 Mar. 25 Jan. 5 May. 26 Mar. 6 Jul. 25 May. 5 Sept. 26 Jul. 7 Nov. 26 Sept. 5 Jan. 25 Nov. 5 Mar. 27 Jan. 5 May. 28 Mar. 8 Jul. 28 May. 9 Sept. 28 Jul. 17 Nov. 26 Sept. 5 Jan. 25 Nov. 5 Mar. 27 Jan. 5 May. 28 Mar. 9 Jul. 29 May. 7 Sept. 26 Jul. 7 Nov. 26 Sept. 8 Jan. 26 Nov. 8 Mar. 30 Jan. 8 May. 28 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 10 Nov. 25 Sept. 8 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 28 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 10 Nov. 25 Sept. 8 Jan. 29 Nov. 9 Mar. 31 Jan. 10 Jun. 1 Mar. 12 Jul. 31 May. 11 Jul. 11 Nov. 30 Sept. 10 Jan. 31 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May. 12 Oct. 1 Jul. 10 Nov. 29 Sept. 18 Jan. 3 Nov. 14 Apr. 5 Jan. 14 Jun. 3 Mar. 14 Aug. 3 May. 18 Nov. 14 Apr. 5 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 18 Oct. 7 Jul. 18 Dec. 2 Sept. 17 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 17 Mar. 28 Aug. 17 May. 18 Oct. 7 Jul. 18 Dec. 2 Sept. 17 Feb. 5 Nov.					-				•			. •
Jan. 16 Oct. 27 Mar. 18 Dec. 27 May 18 Feb. 25 Jul. 17 Apr. 27 Sept. 18 Jun. 27 Nov. 16 Aug. 27 Jan. 16 Oct. 27 Mar. 18 Dec. 27 May 18 Feb. 26 Jul. 18 Apr. 28 Sept. 17 Jun. 29 Nov. 17 Aug. 28 Jan. 17 Oct. 28 Mar. 19 Dec. 29 May. 20 Feb. 28 Jul. 19 Apr. 29 Sept. 18 Jun. 29 Nov. 18 Aug. 29 Jan. 18 Oct. 29 May. 20 Feb. 28 Jul. 19 Apr. 29 Sept. 18 Jun. 29 Nov. 18 Aug. 20 Jan. 18 Oct. 29 May. 20 Feb. 28 Jul. 20 Apr. 20 Sept. 18 Jun. 29 Nov. 18 Aug. 20 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 1 Nov. 20 Aug. 31 Jan. 20 Oct. 31 Mar. 22 Dec. 31 May. 22 Mar. 2 Jul. 22 May. 2 Sept. 21 Jul. 2 Nov. 21 Sept. 13 Jan. 2 May. 30 Mar. 31 Jun. 28 May. 30 Mar. 31 Jun. 29 Nov. 21 Mar. 21 Jul. 22 May. 30 May. 30 Mar. 21 Jun. 29 May. 20 Mar. 24 Jan. 2 May. 23 Mar. 3 Jul. 23 May. 3 Sept. 29 Jul. 3 Nov. 22 Sept. 2 Jul. 22 Nov. 2 Mar. 24 Jan. 2 May. 23 Mar. 5 Jul. 28 May. 3 May. 3 Sept. 29 Jul. 3 Nov. 22 Sept. 2 Jan. 20 Nov. 1 Mar. 23 Jan. 1 May. 25 Mar. 5 Jul. 28 May. 4 Sept. 23 Jul. 4 Nov. 23 Sept. 3 Jan. 2 May. 25 Mar. 5 Jul. 28 May. 5 May. 5 May. 5 May. 5 Jan. 3 May. 25 Mar. 6 Jul. 26 May. 6 Sept. 24 Jul. 1 Nov. 25 Sept. 14 Jul. 24 Nov. 4 Mar. 26 Jan. 4 May. 26 Mar. 6 Jul. 26 May. 6 Sept. 24 Jul. 7 Nov. 26 Sept. 6 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 25 Jul. 10 Nov. 25 Sept. 5 Jan. 27 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 25 Jul. 10 Nov. 25 Sept. 6 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 27 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 10 Nov. 25 Sept. 18 Jan. 29 Nov. 8 Mar. 31 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 25 Sept. 13 Jan. 29 Nov. 10 Mar. 31 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 10 Nov. 27 Sept. 17 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May. 12 Oct. 1 Jul. 10 Nov. 29 Sept. 19 Jan. 29 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May. 12 Oct. 1 Jul. 13 Dec. 1 Sept. 11 Jan. 31 Nov. 11 Apr. 2 Jan. 13 Jun. 4 Mar. 15 Aug. 6 May. 17 Oct. 6 Jul. 17 Nov. 26 Sept. 15 Feb. 1 Nov. 16 Apr. 6 Jan. 14 Jun. 13 Jun. 4 Mar					-				•			-
Jann 16 Oct. 27 Mar. 18 Dec. 27 May. 18 Feb. 26 Jul. 18 Apr. 28 Sept. 17 Jun. 28 Nov. 17 Aug. 28 Jann 17 Oct. 28 Mar. 19 Dec. 28 May. 19 Feb. 27 Jul. 19 Apr. 29 Sept. 18 Jun. 29 Nov. 18 Aug. 29 Jul. 19 Apr. 29 Sept. 18 Jun. 20 Nov. 19 Aug. 30 Jan. 19 Oct. 30 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 10 Nov. 20 Aug. 31 Jan. 29 Nov. 18 Aug. 29 Mar. 2 Jul. 20 Apr. 30 Sept. 19 Jun. 30 Nov. 19 Aug. 30 Jan. 19 Oct. 30 Mar. 21 Dec. 31 Mar. 22 Dec. 31 May. 22 May. 2 Sept. 21 Jul. 2 Nov. 21 Sept. 1 Jul. 22 Nov. 21 Sept. 1 Jul. 22 Nov. 21 Sept. 1 Jul. 22 Nov. 20 Mar. 24 Jan. 2 Nov. 22 Mar. 24 Jan. 2 May. 23 Mar. 3 Jul. 23 May. 3 Sept. 22 Jul. 3 Nov. 22 Sept. 2 Jan. 22 Nov. 2 Mar. 24 Jan. 2 May. 24 Mar. 4 Jul. 24 May. 4 Sept. 23 Jul. 4 Nov. 23 Sept. 3 Jan. 23 Nov. 3 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 25 May. 5 Sept. 24 Jul. 5 Nov. 24 Sept. 4 Jan. 2 Nov. 1 Mar. 25 Jan. 3 May. 25 Mar. 6 Jul. 26 May. 6 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jan. 6 Nov. 5 Mar. 27 Jul. 28 May. 8 Sept. 24 Jul. 5 Nov. 24 Sept. 4 Jan. 2 Nov. 8 Sept. 24 Jul. 25 May. 5 Sept. 24 Jul. 25 May. 25 Sept. 3 Jul. 26 May. 6 Sept. 25 Jul. 6 Nov. 26 Sept. 6 Jul. 7 Nov. 26 Sept. 6 Jul. 27 Nov. 7 Mar. 27 Jul. 28 May. 8 Sept. 29 Jul. 10 Nov. 29 Sept. 6 Jul. 27 Nov. 7 Mar. 29 Mar. 9 Jul. 29 May. 9 Sept. 26 Jul. 7 Nov. 26 Sept. 6 Jul. 27 Nov. 7 Mar. 29 Mar. 9 Jul. 29 May. 9 Sept. 29 Jul. 10 Nov. 29 Sept. 19 Jul. 29 Nov. 9 Mar. 31 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jul. 30 Nov. 10 Apr. 1 Jul. 31 Jul. 39 May. 31 May. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jul. 30 Nov. 10 Apr. 1 Jul. 31 Jul. 30 May. 13 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Feb. 1 Nov. 12 Apr. 3 Jan. 19 Jul. 30 Mar. 13 Jul. 24 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Feb. 2 Nov. 18 Apr. 19 Jul. 30 Mar. 19 Jul. 30 Mar. 19 Aug. 19 Nov. 29 Sept. 19 Dec. 10 Sept. 11 Feb. 2 Nov. 18 Apr. 19 Jul. 30 Mar. 19 Jul. 30 Mar. 19 Jul. 30 Nov. 10 Jul. 20 Dec. 19 Sept. 19 Feb. 8 Nov.					•				•			-
Jan. 17 Oct. 29					-				•			-
Jan. 18 Oct. 29 Mar. 20 Dec. 28 May. 20 Feb. 28 Jul. 20 Apr. 30 Sept. 19 Jun. 30 Nov. 19 Aug. 30 Jan. 19 Oct. 31 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 1 Nov. 22 Agr. 1 Jun. 21 Nov. 1 Nov. 22 Sept. 2 Jun. 3 Nov. 23 Sept. 3 Jun. 22 Nov. 2 Mar. 24 Jun. 2 May. 2 Mar. 3 Jul. 24 May. 4 Sept. 23 Jul. 4 Nov. 23 Sept. 3 Jun. 4 Nov. 23 Sept. 3 Jun. 24 Nov. 3 Sept. 3 Jun. 24 Nov. 4 Mar. 25 Jun. 3 May. 25 Mar. 5 Jul. 26 May. 6 Sept. 25 Jul. 6 Nov. 24 Sept. 4 Jun. 25 Nov. 5 Mar. 27 Jun. 26 Nov. 6 Mar. 27 Jun. 6 May. 28 Mar. 8 Jul. 27 May. 7 Sept. 26 Jul. 6 Nov. 26 Sept. 6 Jun. 26 Nov. 6 Mar. 28 Jun. 4 Nov. 29 Sept. 4 Jun. 5 Nov. 24 Sept. 4 Jun. 26 Nov. 6 Mar. 28 Jun. 4 Nov. 27 Mar. 7 Jul. 27 May. 7 Sept. 26 Jul. 6 Nov. 26 Sept. 6 Jun. 26 Nov. 6 Mar. 28 Jun. 4 Nov. 28 Mar. 8 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jun. 28 Nov. 8 Mar. 20 Jun. 8 May. 30 Mar. 10 Jul. 30 May. 10 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jun. 29 Mar. 9 Jul. 29 May. 9 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jun. 29 Nov. 9 Mar. 31 Jun. 9 May. 31 Mar. 11 Jul. 13 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jun. 30 Nov. 10 Apr. 1 Jun. 2 Mar. 13 Jun. 2 May. 1 May. 12 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jun. 31 May. 10 Nov. 12 Apr. 3 Jun. 12 Jun. 3 Mar. 14 Jul. 13 May. 11 Nov. 30 Sept. 10 Jun. 31 May. 14 Nov. 12 Apr. 3 Jun. 13 Jun. 2 Mar. 13 Aug. 2 May. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Sept. 30 Nov. 14 Apr. 5 Jun. 13 Jun. 2 Mar. 13 Aug. 2 May. 13 Nov. 14 Jul. 15 Dec. 4 Sept. 14 Sept. 14 Nov. 15 Apr. 6 Jun. 13 Jun. 2 Mar. 13 Aug. 2 May. 13 Nov. 14 Dec. 1 Sept. 11 Jun. 2 May. 15 Dec. 4 Sept. 14 Sept. 14 Jul. 15 Dec. 4 Sept. 14 Sept. 14 Nov. 15 Apr. 6 Jun. 13 Jun. 2 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Dec. 4 Sept. 14 Sept. 14 Nov. 15 Apr. 6 Jun. 17 Jun. 2 Mar. 18 Aug. 14 May. 15 Oct. 6 Jul. 16 Dec. 5 Sept. 15 Sep					-							
Jan. 29 Oct. 30 Mar. 21 Dec. 30 May. 21 Mar. 1 Jul. 21 May. 1 Sept. 20 Jul. 1 Nov. 20 Aug. 31 Jan. 20 Oct. 31 Mar. 22 Dec. 31 May. 22 Mar. 2 Jul. 22 May. 2 Sept. 21 Jul. 2 Nov. 21 Sept. 1 Jul. 22 Nov. 21 Sept. 2 Jul. 3 Nov. 22 Sept. 2 Jul. 3 Nov. 22 Sept. 2 Jul. 3 Nov. 22 Sept. 2 Jul. 3 Nov. 24 Sept. 4 Jul. 24 Nov. 4 Mar. 26 Jan. 4 May. 26 Mar. 6 Jul. 26 May. 6 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jan. 25 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 26 Jul. 6 Nov. 26 Sept. 6 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 26 Mar. 6 Jul. 27 May. 7 Sept. 26 Jul. 7 Nov. 28 Sept. 6 Jan. 27 Nov. 7 Mar. 29 Jan. 7 May. 29 Mar. 8 Jul. 29 May. 8 Sept. 28 Jul. 9 Nov. 28 Sept. 6 Jan. 27 Nov. 7 Mar. 29 Jan. 7 May. 29 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 9 Nov. 28 Sept. 8 Jan. 29 Nov. 9 Mar. 31 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 19 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jul. 1 Jul. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jul. 2 Mar. 12 Aug. 2 May. 13 Nov. 11 Apr. 2 Jul. 13 Jul. 3 Mar. 14 Aug. 2 May. 13 Nov. 14 Apr. 2 Jul. 13 Jul. 3 Mar. 14 Aug. 2 May. 14 Cot. 3 Jul. 14 Jul. 15 Dec. 1 Sept. 11 Sept. 13 Nov. 14 Apr. 5 Jan. 16 Jul. 1 Jul. 2 Mar. 13 Aug. 14 May. 16 Cot. 2 Jul. 13 Dec. 2 Sept. 16 Feb. 1 Nov. 16 Apr. 5 Jan. 16 Jul. 1 Jul. 2 Mar. 17 Aug. 6 May. 17 Cot. 6 Jul. 17 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 6 Jan. 16 Jul. 1 Jul. 1 Mar. 17 Aug. 6 May. 17 Cot. 6 Jul. 17 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 6 Jan. 16 Jul. 1 Jul. 1 Mar. 2 Aug. 1 May. 19 Cot. 2 Jul. 18 Dec. 7 Sept. 17 Feb. 5 Nov. 16 Apr. 6 Jan. 16 Jul. 1 Jul. 18 Mar. 19 Aug. 1 May. 19 Cot. 2 Jul. 18 Dec. 7 Sept. 17 Feb. 5 Nov. 16 Apr. 6 Jan. 16 Jul. 1 Jul. 18 Mar. 19 Aug. 1 May. 19 Cot. 2 Jul. 18 Dec. 7 Sept. 16 Feb. 1 Nov. 14 Apr. 5 Jan. 18 Jul. 19 Jul. 18 Mar. 19 Aug. 1 May. 19 Cot. 2 Jul. 1					-				•			
Jan. 22 Nov. 1 Mar. 23 Jan. 1 May. 22 Mar. 2 Jul. 22 May. 2 Sept. 21 Jul. 2 Nov. 22 Sept. 1 Jan. 22 Nov. 2 Mar. 24 Jan. 2 May. 23 Mar. 3 Jul. 23 May. 3 Sept. 22 Jul. 3 Nov. 22 Sept. 2 Jul. 22 Jul. 3 Nov. 22 Sept. 2 Jul. 22 Jul. 3 Nov. 24 Mar. 24 Jan. 2 May. 24 Mar. 4 Jul. 24 May. 4 Sept. 23 Jul. 4 Nov. 23 Sept. 3 Jan. 23 Nov. 3 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 26 May. 6 Sept. 24 Jul. 5 Nov. 24 Sept. 4 Jan. 26 Jan. 4 May. 26 Mar. 5 Jul. 26 May. 6 Sept. 24 Jul. 5 Nov. 25 Sept. 5 Jan. 26 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 26 Jul. 6 Nov. 25 Sept. 5 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 29 Mar. 8 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jan. 27 Nov. 7 Mar. 28 Jan. 6 May. 29 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 9 Nov. 28 Sept. 8 Jan. 29 Nov. 9 Mar. 31 Jan. 9 May. 30 Mar. 10 Jul. 30 May. 10 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jan. 29 May. 9 Mar. 10 Jul. 30 May. 10 Nov. 29 Sept. 9 Jan. 31 Jan. 9 May. 31 Mar. 11 Jul. 27 Aug. 1 May. 12 Oct. 11 Jul. 12 Dec. 1 Sept. 11 Jan. 31 Mar. 14 Jul. 27 Aug. 1 May. 14 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jul. 3 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 2 Sept. 13 Sept. 13 Nov. 14 Apr. 5 Jan. 13 Jul. 4 Mar. 15 Aug. 5 May. 16 Oct. 4 Jul. 16 Dec. 2 Sept. 18 Feb. 2 Nov. 13 Apr. 4 Jan. 13 Jul. 4 Mar. 15 Aug. 5 May. 16 Oct. 4 Jul. 16 Dec. 2 Sept. 17 Feb. 5 Nov. 16 Apr. 7 Jan. 18 Jul. 9 Jul. 9 Mar. 19 Aug. 8 May. 16 Oct. 4 Jul. 16 Dec. 2 Sept. 17 Feb. 5 Nov. 16 Apr. 7 Jan. 18 Jul. 9 Jul. 18 Mar. 17 Aug. 6 May. 17 Oct. 6 Jul. 16 Dec. 6 Sept. 16 Feb. 2 Nov. 18 Apr. 4 Jan. 13 Jul. 4 Mar. 15 Aug. 4 May. 15 Oct. 4 Jul. 16 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 18 Jul. 9 Jul. 10 Mar. 12 Aug. 1 May. 19 Oct. 8 Jul. 16 Dec. 6 Sept. 17 Feb. 5 Nov. 16 Apr. 7 Jan. 18 Jul. 19 Jul. 18 Mar. 19 Aug. 8 May. 18 Oct. 7 Jul. 18 Dec. 7 Sept. 17 Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jul. 18 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 19 Dec. 18 Sept. 18 Feb. 1 Nov. 22 Apr. 13 Jan. 20 Jul. 11 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 22 Dec. 11 Sept. 27 Feb. 16 Nov. 27 Apr. 13 J					-			•				. •
Jan. 22 Nov. 2 Mar. 24 Jan. 1 May. 23 Mar. 3 Jul. 23 May. 3 Sept. 22 Jul. 3 Nov. 22 Sept. 2 Jan. 23 Nov. 3 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 25 May. 5 Sept. 24 Jul. 5 Nov. 24 Sept. 4 Jan. 24 Nov. 4 Mar. 26 Jan. 4 May. 26 Mar. 6 Jul. 26 May. 6 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Sept. 19 Jan. 27 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 25 Jul. 6 Nov. 26 Sept. 6 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 28 Mar. 8 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jan. 27 Nov. 7 Mar. 29 Jan. 7 May. 29 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 9 Nov. 28 Sept. 8 Jan. 28 Nov. 8 Mar. 30 Jan. 8 May. 30 Mar. 10 Jul. 30 May. 10 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jan. 29 Nov. 9 Mar. 31 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 19 Jan. 30 Nov. 11 Apr. 2 Jan. 11 Jun. 2 Mar. 13 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 11 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jun. 2 Mar. 13 Aug. 2 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 2 Sept. 12 Feb. 1 Nov. 12 Apr. 3 Jan. 12 Jun. 3 Mar. 14 Aug. 3 May. 15 Oct. 4 Jul. 15 Dec. 4 Sept. 15 Feb. 4 Nov. 15 Apr. 6 Jan. 14 Jun. 5 Mar. 16 Aug. 6 May. 17 Oct. 6 Jul. 16 Dec. 5 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 6 May. 17 Oct. 6 Jul. 16 Dec. 5 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 17 Jun. 9 Mar. 17 Aug. 8 Mar. 19 Oct. 19 Jul. 10 Dec. 1 Sept. 17 Feb. 1 Nov. 15 Apr. 6 Jan. 17 Jun. 9 Mar. 17 Aug. 8 May. 18 Oct. 7 Jul. 18 Dec. 2 Sept. 18 Feb. 7 Nov. 18 Apr. 9 Jan. 16 Jun. 7 Mar. 18 Aug. 9 May. 19 Oct. 8 Jul. 16 Dec. 5 Sept. 16 Feb. 4 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 17 Aug. 8 May. 18 Oct. 7 Jul. 18 Dec. 1 Sept. 17 Feb. 1 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 16 Dec. 5 Sept. 16 Feb. 4 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 18 May. 10 Oct. 9 Jul. 20 Dec. 9 Sept. 19 Feb. 8 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 21 Oct. 10 Jul. 21 Dec. 10 Sept. 27 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Jun. 24 Jun. 13 Mar. 22 Aug. 14 May. 20 Oct. 19 Jul. 20 Dec. 19 Sept. 27 Feb. 11 Nov. 28 Apr. 19 Jan. 28 Jun. 1					-							-
Jan. 22 Nov. 2 Mar. 24 Jan. 2 May. 24 Mar. 4 Jul. 24 May. 4 Sept. 23 Jul. 4 Nov. 23 Sept. 3 Jan. 23 Nov. 3 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 25 May. 5 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jan. 24 Nov. 4 Mar. 26 Jan. 4 May. 26 Mar. 6 Jul. 27 May. 7 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jan. 26 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 25 Jul. 6 Nov. 26 Sept. 6 Jan. 26 Nov. 6 Mar. 82 Jan. 6 May. 28 Mar. 8 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jan. 27 Nov. 7 Mar. 28 Jan. 8 May. 8 Mar. 8 Jul. 28 Mar. 8 Jul. 28 Mar. 8 Nov. 27 Sept. 7 Jul. 8 Nov. 27 Sept. 9 Jul. 10 Nov. 29 Sept. 10 Jul. 30 Mar. 10 Jul. 30 Mar. 10 Jul. 30 Mar. 10 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jul. 30 Nov. 10 Apr. 1 Jan. 10 Jul. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jul. 30 Nov. 10 Apr. 1 Jan. 10 Jul. 31 Mar. 11 Jul. 31 May. 12 Oct. 1 Jul. 12 Dec. 1 Sept. 11 Sept. 11 Jul. 31 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 12 Dec. 2 Sept. 12 Sept. 13 Jul. 34 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Sept. 13 Jul. 6 Mar. 16 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 16 Sept. 17 Apr. 12 Jul. 12 Dec. 1 Sept. 17 Sept. 17 Nov. 28 Apr. 13 Jan. 21 Jul. 14 Mar. 25 Aug. 16 May. 29 Oct. 18 Jul. 19 Dec. 8 Sept. 18 Sept. 18 Sept. 18					-				•			•
Jan. 24 Nov. 3 Mar. 25 Jan. 3 May. 25 Mar. 5 Jul. 25 May. 6 Sept. 25 Jul. 6 Nov. 24 Sept. 5 Jan. 25 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 26 May. 7 Sept. 26 Jul. 6 Nov. 25 Sept. 6 Jan. 26 Nov. 6 Mar. 28 Jan. 5 May. 27 Mar. 7 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jan. 27 Nov. 6 Mar. 28 Jan. 7 May. 29 Mar. 8 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jan. 27 Nov. 8 Mar. 80 Jan. 8 May. 9 Mar. 9 Sept. 28 Jul. 9 Nov. 28 Sept. 8 Jan. 28 Nov. 8 Mar. 30 Jan. 8 May. 30 Mar. 10 Jul. 30 May. 10 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 11 Jul. 30 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jun. 2 Mar. 13 Aug. 2 May. 13 Oct. 2 Jul. 13 Dec. 2 Sept. 11 Jan. 31 Nov. 12 Apr. 3 Jan. 12 Jun. 2 Mar. 13 Aug. 2 May. 13 Oct. 2 Jul. 13 Dec. 2 Sept. 16 Feb. 1 Nov. 12 Apr. 3 Jan. 14 Jun. 5 Mar. 16 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 15 Feb. 3 Nov. 14 Apr. 5 Jan. 14 Jun. 5 Mar. 16 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 17 Oct. 6 Jul. 17 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 18 Jun. 9 Mar. 20 Aug. 9 May. 20 Oct. 9 Jul. 20 Dec. 9 Sept. 19 Feb. 8 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 11 May. 22 Oct. 10 Jul. 21 Dec. 10 Sept. 15 Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 22 Dec. 11 Sept. 21 Feb. 10 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 6 May. 17 Oct. 6 Jul. 17 Dec. 6 Sept. 15 Feb. 10 Nov. 20 Apr. 11 Jan. 20 Jun. 14 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 22 Dec. 11 Sept. 23 Feb. 10 Nov. 28 Apr. 14 Jan. 29					-							•
Jan. 24 Nov. 4 Mar. 26 Jan. 4 May. 28 Mar. 6 Jul. 26 May. 6 Sept. 25 Jul. 6 Nov. 25 Sept. 5 Jan. 25 Nov. 5 Mar. 27 Jan. 5 May. 27 Mar. 7 Jul. 27 May. 7 Sept. 25 Jul. 7 Nov. 26 Sept. 6 Jan. 26 Nov. 6 Mar. 28 Jan. 6 May. 28 Mar. 8 Jul. 28 May. 8 Sept. 27 Jul. 8 Nov. 27 Sept. 7 Jan. 27 Nov. 7 Mar. 29 Jan. 10 May. 29 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 9 Nov. 28 Sept. 8 Jan. 28 Nov. 8 Mar. 30 Jan. 8 May. 30 Mar. 10 Jul. 30 May. 10 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jul. 10 Nov. 29 Sept. 9 Jul. 10 Nov. 29 Sept. 9 Jul. 10 Nov. 29 Sept. 10 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jun. 2 Mar. 13 Jun. 4 Mar. 15 Aug. 1 May. 12 Oct. 1 Jul. 12 Dec. 1 Sept. 11 Sept. 30 Jul. 11 Dec. 2 Sept. 14 Sept. 30 Nov. 12 Apr. 3 Jan. 12 Jun. 3 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 14 Sept. 30 Nov. 14 Apr. 5 Jan. 13 Jun. 4 Mar. 15 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 15 Sept. 14 Sept. 30 Nov. 15 Apr. 6 Jan. 15 Jun. 6 Mar. 16 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 15 Sept. 17 Sept. 17 Sept. 17 Sept. 17 Sept. 17 Sept. 17 Sept. 19					-			-				•
Jan. 25					-							•
Jan. 28 Nov. 6					-							
Jan. 27 Nov. 7 Mar. 29 Jan. 7 May. 29 Mar. 9 Jul. 29 May. 9 Sept. 28 Jul. 9 Nov. 28 Sept. 8 Jan. 28 Nov. 8 Mar. 30 Jan. 9 May. 30 Mar. 10 Jul. 30 May. 10 Sept. 29 Jul. 10 Nov. 29 Sept. 9 Jul. 11 Nov. 30 Sept. 10 Jul. 31 Mar. 11 Jul. 31 Mar. 11 Jul. 1 Mar. 13 Jul. 12 Dec. 1 Sept. 12 Sept. 12 Jul. 12 Dec. 1 Sept. 12 Sept. 13 Jul. 11 Dec. 2 Sept. 13 Jul. 14 Dec. 1 Sept. 13 Jul. 14 Dec. 2 Sept. 13 Sept. 14 Dec. 4 Sept. 13 Dec. 1 Sept. 13 Jul. 14 Dec. 2 Sept. 14 Sept. 18 Jul. 20 Dec. 1 Sept. 18 Jul. 14 Dec. 2 Sept. 18 Jul.												
Jan. 28 Nov. 9 Mar. 30 Jan. 8 May, 30 Mar. 10 Jul. 30 May, 11 Sept. 29 Jul. 10 Nov. 20 Sept. 19 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May, 13 Oct. 2 Jul. 13 Dec. 1 Sept. 11 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jun. 2 Mar. 13 Aug. 2 May, 13 Oct. 2 Jul. 13 Dec. 2 Sept. 12 Feb. 1 Nov. 12 Apr. 3 Jan. 12 Jun. 3 Mar. 14 Aug. 3 May, 14 Oct. 3 Jul. 14 Dec. 2 Sept. 14 Feb. 2 Nov. 13 Apr. 4 Jan. 15 Jun. 6 Mar. 16 Aug. 5 May, 16 Oct. 5 Jul. 16 Dec. 5 Sept. 16 Feb. 4 Nov. 15 Apr. 6 Jan. 16 Jun. 6 Mar. 17 Aug. 6 May, 17 Oct. 6 Jul. 16 Dec. 5 Sept. 17 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					-							
Jan. 29 Nov. 9 Mar. 31 Jan. 9 May. 31 Mar. 11 Jul. 31 May. 11 Sept. 30 Jul. 11 Nov. 30 Sept. 10 Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May. 12 Oct. 1 Jul. 12 Dec. 1 Sept. 11 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jul. 2 Mar. 13 Aug. 2 May. 13 Oct. 2 Jul. 13 Dec. 2 Sept. 12 Feb. 1 Nov. 12 Apr. 3 Jan. 12 Jun. 3 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Feb. 2 Nov. 13 Apr. 4 Jan. 13 Jun. 4 Mar. 15 Aug. 4 May. 15 Oct. 4 Jul. 15 Dec. 4 Sept. 14 Feb. 3 Nov. 14 Apr. 5 Jan. 14 Jun. 5 Mar. 16 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 16 Feb. 4 Nov. 15 Apr. 6 Jan. 15 Jun. 6 Mar. 17 Aug. 6 May. 17 Oct. 6 Jul. 17 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 18 Oct. 7 Jul. 18 Dec. 7 Sept. 17 Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 19 Dec. 8 Sept. 18 Feb. 7 Nov. 18 Apr. 9 Jan. 18 Jun. 9 Mar. 20 Aug. 9 May. 20 Oct. 9 Jul. 20 Dec. 9 Sept. 19 Feb. 8 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 21 Oct. 10 Jul. 21 Dec. 10 Sept. 20 Feb. 11 Nov. 22 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 22 Dec. 11 Sept. 21 Feb. 11 Nov. 22 Apr. 14 Jan. 23 Jun. 14 Mar. 25 Aug. 14 May. 25 Oct. 14 Jul. 25 Dec. 14 Sept. 24 Feb. 13 Nov. 24 Apr. 15 Jan. 26 Jun. 15 Mar. 27 Aug. 16 May. 26 Oct. 14 Jul. 26 Dec. 15 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 29 Jun. 19 Mar. 27 Aug. 19 May. 28 Oct. 14 Jul. 25 Dec. 14 Sept. 24 Feb. 18 Nov. 26 Apr. 17 Jan. 26 Jun. 17 Mar. 28 Aug. 17 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 27 Aug. 19 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 28 Feb. 18 Nov. 29 Apr. 19 Jan. 29 J	Jan. 28	Nov. 8							•			
Jan. 30 Nov. 10 Apr. 1 Jan. 10 Jun. 1 Mar. 12 Aug. 1 May. 12 Oct. 1 Jul. 12 Dec. 1 Sept. 11 Jan. 31 Nov. 11 Apr. 2 Jan. 11 Jun. 2 Mar. 13 Aug. 2 May. 13 Oct. 2 Jul. 13 Dec. 2 Sept. 12 Feb. 1 Nov. 12 Apr. 3 Jan. 12 Jun. 3 Mar. 14 Aug. 3 May. 14 Oct. 3 Jul. 14 Dec. 3 Sept. 13 Feb. 2 Nov. 13 Apr. 4 Jan. 13 Jun. 4 Mar. 15 Aug. 4 May. 15 Oct. 4 Jul. 15 Dec. 4 Sept. 14 Feb. 3 Nov. 14 Apr. 5 Jan. 14 Jun. 5 Mar. 16 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 16 Feb. 4 Nov. 15 Apr. 6 Jan. 15 Jun. 6 Mar. 17 Aug. 6 May. 17 Oct. 6 Jul. 17 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 18 Oct. 7 Jul. 18 Dec. 7 Sept. 17 Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 19 Dec. 8 Sept. 18 Feb. 7 Nov. 18 Apr. 9 Jan. 18 Jun. 9 Mar. 20 Aug. 9 May. 20 Oct. 9 Jul. 20 Dec. 10 Sept. 20 Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 22 Dec. 11 Sept. 21 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 24 Oct. 13 Jul. 24 Dec. 13 Sept. 23 Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 15 Mar. 26 Aug. 17 May. 25 Oct. 14 Jul. 25 Dec. 14 Sept. 23 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 15 Mar. 26 Aug. 17 May. 26 Oct. 15 Jul. 26 Dec. 15 Sept. 25 Feb. 16 Nov. 27 Apr. 18 Jan. 23 Jun. 18 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 28 Feb. 17 Nov. 28 Apr. 14 Jan. 29 Jun. 18 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 28 Feb. 18 Nov. 29 Apr. 10 Jan. 29 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 17 Jul. 28 Dec. 17 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 19 May. 30 Oct. 19 Jul. 30 Dec. 19 Sept. 29 Feb.	Jan. 29	Nov. 9							•			Sept. 10
Feb. 2 Nov. 12	Jan. 30	Nov. 10						-	•		Dec. 1	Sept. 11
Feb. 2 Nov. 12	Jan. 31	Nov. 11	Apr. 2	Jan. 11	Jun. 2	Mar. 13					Dec. 2	Sept. 12
Feb. 3 Nov. 14 Apr. 5 Jan. 14 Jun. 5 Mar. 16 Aug. 5 May. 16 Oct. 5 Jul. 16 Dec. 5 Sept. 15 Feb. 4 Nov. 15 Apr. 6 Jan. 15 Jun. 6 Mar. 17 Aug. 6 May. 17 Oct. 6 Jul. 17 Dec. 6 Sept. 17 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 18 Oct. 7 Jul. 18 Dec. 7 Sept. 17 Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 19 Dec. 8 Sept. 18 Feb. 7 Nov. 18 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 20 Oct. 9 Jul. 20 Dec. 10 Sept. 19 Feb. 8 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 22 Oct. 10 Jul. 22 Dec. 10 Sept. 25 Feb. 10 Nov. 21 Apr. 13 Jan. 21 Jun. 13 Mar.	Feb. 1	Nov. 12	Apr. 3	Jan. 12	Jun. 3	Mar. 14	Aug. 3	May. 14	Oct. 3	Jul. 14	Dec. 3	Sept. 13
Feb. 4 Nov. 15 Apr. 6 Jan. 15 Jun. 6 Mar. 17 Aug. 6 May. 17 Oct. 6 Jul. 17 Dec. 6 Sept. 16 Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 18 Oct. 7 Jul. 18 Dec. 7 Sept. 17 Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 9 May. 20 Oct. 9 Jul. 20 Dec. 8 Sept. 18 Feb. 7 Nov. 18 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 21 Oct. 10 Jul. 21 Dec. 10 Sept. 20 Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 12 Mar. 23 Aug. 11 May. 23 Oct. 11 Jul. 23 Dec. 10 Sept. 22 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 22 Aug. 11 May. 23 Oct. 12 Jul. 23 Dec. 12 Sept. 22 Feb. 11 Nov. 23 Apr. 14 Jan. 23 Jun. 13 <t< td=""><td>Feb. 2</td><td>Nov. 13</td><td>Apr. 4</td><td>Jan. 13</td><td>Jun. 4</td><td>Mar. 15</td><td>Aug. 4</td><td>May. 15</td><td>Oct. 4</td><td>Jul. 15</td><td>Dec. 4</td><td>Sept. 14</td></t<>	Feb. 2	Nov. 13	Apr. 4	Jan. 13	Jun. 4	Mar. 15	Aug. 4	May. 15	Oct. 4	Jul. 15	Dec. 4	Sept. 14
Feb. 5 Nov. 16 Apr. 7 Jan. 16 Jun. 7 Mar. 18 Aug. 7 May. 18 Oct. 7 Jul. 18 Dec. 7 Sept. 17 Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 19 Dec. 8 Sept. 18 Feb. 7 Nov. 18 Apr. 9 Jan. 18 Jun. 10 Mar. 20 Aug. 10 May. 20 Oct. 10 Jul. 21 Dec. 9 Sept. 19 Feb. 8 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 10 May. 23 Oct. 12 Jul. 22 Dec. 11 Sept. 20 Feb. 10 Nov. 21 Apr. 12 Jan. 21 Jun. 12 Mar. 23 Aug. 13 May. 24 Oct. 12 Jul. 24 Dec. 12 Sept. 27 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 24 Oct. 12 Jul. 24 Dec. 13 Sept. 25 Feb. 13 Nov. 23 Apr. 14 Jan. 23 Jun. 16	Feb. 3	Nov. 14	Apr. 5	Jan. 14	Jun. 5	Mar. 16	Aug. 5	May. 16	Oct. 5	Jul. 16	Dec. 5	Sept. 15
Feb. 6 Nov. 17 Apr. 8 Jan. 17 Jun. 8 Mar. 19 Aug. 8 May. 19 Oct. 8 Jul. 19 Dec. 8 Sept. 18 Feb. 7 Nov. 18 Apr. 9 Jan. 18 Jun. 9 Mar. 20 Aug. 9 May. 20 Oct. 9 Jul. 20 Dec. 9 Sept. 19 Feb. 8 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 21 Oct. 10 Jul. 21 Dec. 11 Sept. 20 Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 23 Oct. 12 Jul. 23 Dec. 12 Sept. 21 Feb. 10 Nov. 21 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 23 Oct. 13 Jul. 24 Dec. 12 Sept. 25 Feb. 11 Nov. 23 Apr. 14 Jan. 23 Jun. 14 Mar. 25 Aug. 14 May. 25 Oct. 14 Jul. 25 Dec. 15 Sept. 28 Feb. 12 Nov. 23 Apr. 16 Jan. 25 Jun. 16	Feb. 4	Nov. 15	Apr. 6	Jan. 15	Jun. 6	Mar. 17	Aug. 6	May. 17	Oct. 6	Jul. 17	Dec. 6	Sept. 16
Feb. 7 Nov. 18 Apr. 9 Jan. 18 Jun. 9 Mar. 20 Aug. 9 May. 20 Oct. 9 Jul. 20 Dec. 9 Sept. 19 Feb. 8 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 21 Oct. 10 Jul. 21 Dec. 10 Sept. 20 Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 23 Oct. 12 Jul. 23 Dec. 12 Sept. 22 Feb. 10 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 23 Oct. 12 Jul. 24 Dec. 13 Sept. 22 Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 14 Mar. 25 Aug. 14 May. 25 Oct. 14 Jul. 26 Dec. 14 Sept. 25 Feb. 13 Nov. 24 Apr. 15 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 26 Dec. 15 Sept. 26 Feb. 14 Nov. 25 Apr. 16 Jan. 25 Jun. 16 <td></td> <td>Nov. 16</td> <td>Apr. 7</td> <td>Jan. 16</td> <td>Jun. 7</td> <td>Mar. 18</td> <td>Aug. 7</td> <td>May. 18</td> <td>Oct. 7</td> <td>Jul. 18</td> <td></td> <td>Sept. 17</td>		Nov. 16	Apr. 7	Jan. 16	Jun. 7	Mar. 18	Aug. 7	May. 18	Oct. 7	Jul. 18		Sept. 17
Feb. 8 Nov. 19 Apr. 10 Jan. 19 Jun. 10 Mar. 21 Aug. 10 May. 21 Oct. 10 Jul. 21 Dec. 10 Sept. 20 Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 23 Dec. 11 Sept. 21 Feb. 11 Nov. 21 Apr. 12 Jan. 21 Jun. 12 Mar. 23 Aug. 12 May. 23 Oct. 12 Jul. 23 Dec. 12 Sept. 22 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 24 Oct. 13 Jul. 24 Dec. 13 Sept. 23 Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 15 Mar. 26 Aug. 14 May. 25 Oct. 14 Jul. 26 Dec. 15 Sept. 25 Feb. 13 Nov. 24 Apr. 16 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 29 Dec. 15 Sept. 26 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun.			•				•	-				•
Feb. 9 Nov. 20 Apr. 11 Jan. 20 Jun. 11 Mar. 22 Aug. 11 May. 22 Oct. 11 Jul. 22 Dec. 11 Sept. 21 Feb. 10 Nov. 21 Apr. 12 Jan. 21 Jun. 12 Mar. 23 Aug. 12 May. 23 Oct. 12 Jul. 23 Dec. 12 Sept. 22 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 25 Oct. 14 Jul. 24 Dec. 13 Sept. 23 Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 15 Mar. 26 Aug. 15 May. 26 Oct. 14 Jul. 26 Dec. 15 Sept. 27 Feb. 13 Nov. 24 Apr. 16 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 26 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 18 Mar. 27 Aug. 18 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 29 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun.			Apr. 9	Jan. 18	Jun. 9	Mar. 20			Oct. 9	Jul. 20		
Feb. 10 Nov. 21 Apr. 12 Jan. 21 Jun. 12 Mar. 23 Aug. 12 May. 23 Oct. 12 Jul. 23 Dec. 12 Sept. 22 Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 24 Oct. 13 Jul. 24 Dec. 13 Sept. 23 Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 14 Mar. 25 Aug. 14 May. 26 Oct. 14 Jul. 25 Dec. 14 Sept. 25 Feb. 13 Nov. 24 Apr. 15 Jan. 25 Jun. 15 Mar. 26 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 26 Feb. 14 Nov. 25 Apr. 16 Jan. 25 Jun. 17 Mar. 28 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 26 Feb. 15 Nov. 26 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 29 Feb. 17 Nov. 28 Apr. 20 Jan. 29 Jun			•				•	-				
Feb. 11 Nov. 22 Apr. 13 Jan. 22 Jun. 13 Mar. 24 Aug. 13 May. 24 Oct. 13 Jul. 24 Dec. 13 Sept. 23 Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 14 Mar. 25 Aug. 14 May. 25 Oct. 14 Jul. 26 Dec. 15 Sept. 24 Feb. 13 Nov. 24 Apr. 15 Jan. 24 Jun. 15 Mar. 26 Aug. 15 May. 26 Oct. 15 Jul. 26 Dec. 15 Sept. 25 Feb. 14 Nov. 25 Apr. 16 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 26 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 17 Mar. 28 Aug. 17 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 26 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 28 Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun							•					
Feb. 12 Nov. 23 Apr. 14 Jan. 23 Jun. 14 Mar. 25 Aug. 14 May. 26 Oct. 14 Jul. 26 Dec. 15 Sept. 24 Feb. 13 Nov. 24 Apr. 15 Jan. 24 Jun. 15 Mar. 26 Aug. 15 May. 26 Oct. 15 Jul. 26 Dec. 15 Sept. 25 Feb. 14 Nov. 25 Apr. 16 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 26 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 17 Mar. 28 Aug. 17 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 27 Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun. 19 Mar. 30 Aug. 19 May. 30 Oct. 18 Jul. 30 Dec. 21 Dec. 18 Sept. 29 Feb. 17 Nov. 29 Apr. 20 Jan			•				•					
Feb. 13 Nov. 24 Apr. 15 Jan. 24 Jun. 15 Mar. 26 Aug. 15 May. 26 Oct. 15 Jul. 26 Dec. 15 Sept. 25 Feb. 14 Nov. 25 Apr. 16 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 26 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 17 Mar. 28 Aug. 17 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 28 Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun. 19 Mar. 30 Aug. 19 May. 30 Oct. 19 Jul. 30 Dec. 19 Sept. 29 Feb. 18 Nov. 29 Apr. 20 Jan. 30 Jun. 20 Mar. 31 Aug. 20 May. 31 Oct. 20 Jul. 31 Dec. 20 Sept. 30 Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun							•					
Feb. 14 Nov. 25 Apr. 16 Jan. 25 Jun. 16 Mar. 27 Aug. 16 May. 27 Oct. 16 Jul. 27 Dec. 16 Sept. 26 Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 17 Mar. 28 Aug. 17 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 28 Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun. 19 Mar. 30 Aug. 19 May. 30 Oct. 19 Jul. 30 Dec. 19 Sept. 29 Feb. 18 Nov. 29 Apr. 20 Jan. 29 Jun. 20 Mar. 31 Aug. 20 May. 31 Oct. 20 Jul. 31 Dec. 20 Sept. 29 Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun. 21 Apr. 1 Aug. 21 Jun. 1 Oct. 21 Aug. 1 Dec. 21 Oct. 1 Feb. 20 Dec. 1 Apr. 23 Feb. 1 Jun. 23 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td>-</td> <td></td> <td></td> <td></td> <td></td>							•	-				
Feb. 15 Nov. 26 Apr. 17 Jan. 26 Jun. 17 Mar. 28 Aug. 17 May. 28 Oct. 17 Jul. 28 Dec. 17 Sept. 27 Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 28 Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun. 19 Mar. 30 Aug. 19 May. 30 Oct. 19 Jul. 30 Dec. 19 Sept. 29 Feb. 18 Nov. 29 Apr. 20 Jan. 29 Jun. 20 Mar. 31 Aug. 20 May. 31 Oct. 20 Jul. 31 Dec. 20 Sept. 30 Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun. 21 Apr. 1 Aug. 21 Jun. 1 Oct. 21 Aug. 1 Dec. 21 Oct. 1 Feb. 20 Dec. 1 Apr. 22 Jan. 31 Jun. 22 Apr. 2 Aug. 22 Jun. 2 Oct. 22 Aug. 2 Dec. 22 Oct. 2 Feb. 21 Dec. 2 Apr. 3 Apr. 3 Aug. 23												
Feb. 16 Nov. 27 Apr. 18 Jan. 27 Jun. 18 Mar. 29 Aug. 18 May. 29 Oct. 18 Jul. 29 Dec. 18 Sept. 28 Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun. 19 Mar. 30 Aug. 19 May. 30 Oct. 19 Jul. 30 Dec. 19 Sept. 29 Feb. 18 Nov. 29 Apr. 20 Jan. 29 Jun. 20 Mar. 31 Aug. 20 May. 31 Oct. 20 Jul. 31 Dec. 20 Sept. 30 Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun. 21 Apr. 1 Aug. 21 Jun. 1 Oct. 21 Aug. 1 Dec. 21 Oct. 1 Feb. 20 Dec. 1 Apr. 22 Jan. 31 Jun. 22 Apr. 2 Aug. 22 Jun. 2 Oct. 22 Aug. 2 Dec. 22 Dec. 22 Oct. 2 Feb. 21 Dec. 2 Apr. 23 Feb. 1 Jun. 23 Apr. 3 Aug. 23 Jun. 3 Oct. 23 Aug. 3 Dec. 22 Oct. 2 Feb. 21 Dec. 2 Jun. 24 Apr. 4 <t< td=""><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			•									
Feb. 17 Nov. 28 Apr. 19 Jan. 28 Jun. 19 Mar. 30 Aug. 19 May. 30 Oct. 19 Jul. 30 Dec. 19 Sept. 29 Feb. 18 Nov. 29 Apr. 20 Jan. 29 Jun. 20 Mar. 31 Aug. 20 May. 31 Oct. 20 Jul. 31 Dec. 20 Sept. 30 Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun. 21 Apr. 1 Aug. 21 Jun. 1 Oct. 21 Aug. 1 Dec. 21 Oct. 1 Feb. 20 Dec. 1 Apr. 22 Jan. 31 Jun. 22 Apr. 2 Aug. 22 Jun. 2 Oct. 22 Aug. 2 Dec. 22 Oct. 2 Aug. 2 Dec. 22 Oct. 2 Aug. 2 Dec. 22 Oct. 2 Oct							_					
Feb. 18 Nov. 29 Apr. 20 Jan. 29 Jun. 20 Mar. 31 Aug. 20 May. 31 Oct. 20 Jul. 31 Dec. 20 Sept. 30 Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun. 21 Apr. 1 Aug. 21 Jun. 1 Oct. 21 Aug. 1 Dec. 21 Oct. 1 Feb. 20 Dec. 1 Apr. 22 Jan. 31 Jun. 22 Apr. 2 Aug. 22 Jun. 2 Oct. 22 Aug. 2 Dec. 22 Oct. 2 Feb. 21 Dec. 2 Apr. 23 Feb. 1 Jun. 23 Apr. 3 Aug. 23 Jun. 3 Oct. 23 Aug. 3 Dec. 23 Oct. 3 Feb. 22 Dec. 3 Apr. 24 Feb. 2 Jun. 24 Apr. 4 Aug. 24 Jun. 4 Oct. 24 Aug. 3 Dec. 24 Oct. 4 Feb. 23 Dec. 4 Apr. 25 Feb. 3 Jun. 25 Apr. 5 Aug. 25 Jun. 5 Oct. 25 Aug. 5 Dec. 25 Oct. 5 Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6							_					
Feb. 19 Nov. 30 Apr. 21 Jan. 30 Jun. 21 Apr. 1 Aug. 21 Jun. 1 Oct. 21 Aug. 1 Dec. 21 Oct. 1 Feb. 20 Dec. 1 Apr. 22 Jan. 31 Jun. 22 Apr. 2 Aug. 22 Jun. 2 Oct. 22 Aug. 2 Dec. 22 Oct. 2 Feb. 21 Dec. 2 Apr. 23 Feb. 1 Jun. 23 Apr. 3 Aug. 23 Jun. 3 Oct. 23 Aug. 3 Dec. 23 Oct. 3 Feb. 22 Dec. 3 Apr. 24 Feb. 2 Jun. 24 Apr. 4 Aug. 24 Jun. 4 Oct. 24 Aug. 4 Dec. 24 Oct. 4 Feb. 23 Dec. 4 Apr. 25 Feb. 3 Jun. 25 Apr. 5 Aug. 25 Jun. 5 Oct. 25 Aug. 5 Dec. 25 Oct. 5 Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6 Aug. 26 Jun. 7 Oct. 26 Aug. 6 Dec. 26 Oct. 7 Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7							-					
Feb. 20 Dec. 1 Apr. 22 Jan. 31 Jun. 22 Apr. 2 Aug. 22 Jun. 2 Oct. 22 Aug. 23 Dec. 22 Oct. 2 Feb. 21 Dec. 2 Apr. 23 Feb. 1 Jun. 23 Apr. 3 Aug. 23 Jun. 3 Oct. 23 Aug. 3 Dec. 23 Oct. 3 Feb. 22 Dec. 3 Apr. 24 Feb. 2 Jun. 24 Apr. 4 Aug. 24 Jun. 4 Oct. 24 Aug. 4 Dec. 24 Oct. 4 Feb. 23 Dec. 4 Apr. 25 Feb. 3 Jun. 25 Apr. 5 Aug. 25 Jun. 5 Oct. 25 Aug. 5 Dec. 25 Oct. 5 Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6 Aug. 26 Jun. 6 Oct. 26 Aug. 6 Dec. 26 Oct. 6 Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7 Aug. 27 Jun. 7 Oct. 27 Aug. 7 Dec. 27 Oct. 7 Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 29 Apr. 8												
Feb. 21 Dec. 2 Apr. 23 Feb. 1 Jun. 23 Apr. 3 Aug. 23 Jun. 3 Oct. 23 Aug. 3 Dec. 23 Oct. 3 Feb. 22 Dec. 3 Apr. 24 Feb. 2 Jun. 24 Apr. 4 Aug. 24 Jun. 4 Oct. 24 Aug. 4 Dec. 24 Oct. 4 Feb. 23 Dec. 4 Apr. 25 Feb. 3 Jun. 25 Apr. 5 Aug. 25 Jun. 5 Oct. 25 Aug. 5 Dec. 25 Oct. 5 Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6 Aug. 26 Jun. 6 Oct. 25 Aug. 6 Dec. 25 Oct. 6 Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7 Aug. 27 Jun. 7 Oct. 27 Aug. 7 Dec. 27 Oct. 7 Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 28 Apr. 8 Aug. 28 Jun. 8 Oct. 28 Aug. 8 Dec. 29 Oct. 8 Feb. 27 Dec. 8 Apr. 30 Feb. 8 Jun. 30 Apr. 10 <						•				-		
Feb. 22 Dec. 3 Apr. 24 Feb. 2 Jun. 24 Apr. 4 Aug. 24 Jun. 4 Oct. 24 Aug. 4 Dec. 24 Oct. 4 Feb. 23 Dec. 4 Apr. 25 Feb. 3 Jun. 25 Apr. 5 Aug. 25 Jun. 5 Oct. 25 Aug. 5 Dec. 25 Oct. 5 Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6 Aug. 26 Jun. 6 Oct. 26 Aug. 6 Dec. 26 Oct. 6 Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7 Aug. 27 Jun. 7 Oct. 27 Aug. 7 Dec. 27 Oct. 7 Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 28 Apr. 8 Aug. 28 Jun. 8 Oct. 28 Aug. 8 Dec. 28 Oct. 8 Feb. 27 Dec. 8 Apr. 29 Feb. 7 Jun. 29 Apr. 9 Aug. 29 Jun. 9 Oct. 29 Aug. 9 Dec. 29 Oct. 9 Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 <						•	-			-		
Feb. 23 Dec. 4 Apr. 25 Feb. 3 Jun. 25 Apr. 5 Aug. 25 Jun. 5 Oct. 25 Aug. 5 Dec. 25 Oct. 5 Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6 Aug. 26 Jun. 6 Oct. 26 Aug. 6 Dec. 26 Oct. 6 Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7 Aug. 27 Jun. 7 Oct. 27 Aug. 7 Dec. 27 Oct. 7 Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 28 Apr. 8 Aug. 28 Jun. 8 Oct. 28 Aug. 8 Dec. 28 Oct. 8 Feb. 27 Dec. 8 Apr. 29 Feb. 7 Jun. 29 Apr. 9 Aug. 29 Jun. 9 Oct. 29 Aug. 9 Dec. 29 Oct. 9 Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 Aug. 30 Jun. 10 Oct. 31 Aug. 11 Dec. 31 Oct. 11 Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11						•				-		
Feb. 24 Dec. 5 Apr. 26 Feb. 4 Jun. 26 Apr. 6 Aug. 26 Jun. 6 Oct. 26 Aug. 6 Dec. 26 Oct. 6 Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7 Aug. 27 Jun. 7 Oct. 27 Aug. 7 Dec. 27 Oct. 7 Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 28 Apr. 8 Aug. 28 Jun. 8 Oct. 28 Aug. 8 Dec. 28 Oct. 8 Feb. 27 Dec. 8 Apr. 29 Feb. 7 Jun. 29 Apr. 9 Aug. 29 Jun. 9 Oct. 29 Aug. 9 Dec. 29 Oct. 9 Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 Aug. 30 Jun. 10 Oct. 30 Aug. 10 Dec. 30 Oct. 10 Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11 Aug. 31 Jun. 11 Oct. 31 Aug. 11 Dec. 31 Oct. 11						•	_			-		
Feb. 25 Dec. 6 Apr. 27 Feb. 5 Jun. 27 Apr. 7 Aug. 27 Jun. 7 Oct. 27 Aug. 7 Dec. 27 Oct. 7 Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 28 Apr. 8 Aug. 28 Jun. 8 Oct. 28 Aug. 8 Dec. 28 Oct. 8 Feb. 27 Dec. 8 Apr. 29 Feb. 7 Jun. 29 Apr. 9 Aug. 29 Jun. 9 Oct. 29 Aug. 9 Dec. 29 Oct. 9 Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 Aug. 30 Jun. 10 Oct. 30 Aug. 10 Dec. 30 Oct. 10 Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11 Aug. 31 Jun. 11 Oct. 31 Aug. 11 Dec. 31 Oct. 11						•	_			-		
Feb. 26 Dec. 7 Apr. 28 Feb. 6 Jun. 28 Apr. 8 Aug. 28 Jun. 8 Oct. 28 Aug. 8 Dec. 28 Oct. 8 Feb. 27 Dec. 8 Apr. 29 Feb. 7 Jun. 29 Apr. 9 Aug. 29 Jun. 9 Oct. 29 Aug. 9 Dec. 29 Oct. 9 Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 Aug. 30 Jun. 10 Oct. 30 Aug. 10 Dec. 30 Oct. 10 Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11 Aug. 31 Jun. 11 Oct. 31 Aug. 11 Dec. 31 Oct. 11						•	-			-		
Feb. 27 Dec. 8 Apr. 29 Feb. 7 Jun. 29 Apr. 9 Aug. 29 Jun. 9 Oct. 29 Aug. 9 Dec. 29 Oct. 9 Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 Aug. 30 Jun. 10 Oct. 30 Aug. 10 Dec. 30 Oct. 10 Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11 Aug. 31 Jun. 11 Oct. 31 Aug. 11 Dec. 31 Oct. 11						•						
Feb. 28 Dec. 9 Apr. 30 Feb. 8 Jun. 30 Apr. 10 Aug. 30 Jun. 10 Oct. 30 Aug. 10 Dec. 30 Oct. 10 Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11 Aug. 31 Jun. 11 Oct. 31 Aug. 11 Dec. 31 Oct. 11						•	•			-		
Mar. 1 Dec. 10 May. 1 Feb. 9 Jul. 1 Apr. 11 Aug. 31 Jun. 11 Oct. 31 Aug. 11 Dec. 31 Oct. 11						•	•			-		Oct. 10
	Mar. 1	Dec. 10			Jul. 1	Apr. 11		Jun. 11		-	Dec. 31	Oct. 11
	Mar. 2	Dec. 11	May. 2	Feb. 10	Jul. 2	Apr. 12	Sept. 1	Jun. 12	Nov. 1			

Are You Prepared For Breeding Season?

It's never too early to think ahead and prepare for the upcoming breeding season.

We suggest following these simple steps to save time, avoid last minute hassle and make life a little easier for yourself and the people you work and live with.

- Make sure your cow herd is healthy and in good breeding condition, proper nutrition is key.
- Inspect your tank and have it filled with liquid nitrogen before you order semen.
- · Allow enough time for shipping. It's best to order semen at least two weeks in advance of breeding date.
- Make a check list for A.I. supplies and have these items on hand in advance of breeding.
- Record your work, make sure your record keeping tools are accessible so you'll be sure to use them.



EPDs Made Easy By Karin Schmid, M.Sc.

Expected Progeny Differences (EPDs) are the best scientific tool available for improving genetic merit within a herd. Unfortunately, this tool is often misunderstood and misused, causing confusion and distrust. An EPD is the difference between the predicted average performance of an animal's future progeny and the average progeny performance of another animal whose EPD is zero, assuming that bulls are mated to similar cows, or vice versa. It is important to remember that an EPD is not a prediction of individual performance. Information used in computing EPDs includes pedigree and performance of relatives, self, and progeny. An EPD does not correspond to any specific value for a particular trait. (i.e. a weaning weight EPD of 46.6 does not equal an actual weaning weight of 650 lbs for an animal's progeny). Nor can EPDs for different breeds be compared to one another.

The method used to compute EPDs takes into account environmental & management differences among contemporary groups (animals of the same age and sex raised under the same management conditions), the genetic merit of cows that a bull is bred to, an animal's own performance and that of their relatives, and genetic trends of the entire breed. It is often thought that EPDs are calculated in the same way as 205-day adjusted weights. This is not the case. To calculate EPDs on all recorded animals many more than 1 million equations must be calculated simultaneously.

A bull with great EPDs does not guarantee a superior calf crop. A common producer complaint about EPDs is that they do not seem to correspond to actual data. As EPDs rely on information provided by the producer, it is critical that the correct information be submitted (e.g. correctly identifying different contemporary groups). In addition, billions of genetically different progeny are possible from just a single mating!

This means that there is a lot of variation possible. Producers should also remember that EPDs are a prediction of the average progeny performance. Therefore it is very possible to have a calf or two that don't fit in with the rest! This is where accuracy comes in.

Accuracy is a value between 0 and 1 that attempts to determine how close the prediction (EPD) is to the true breeding value. Accuracy values increase as the amount of information known on an animal increases (what is known about his own performance, relative's performance, and progeny performance). Charts provided in the Sire Summary and EPD Tools, Averages & Trends documents on the CHA website provide a good example of how EPDs can change with differing accuracy levels. The higher the accuracy, the less likely an EPD will change with the addition of new data. Accuracy represents how close the reported EPD is to the true genetic merit of the animal.

	Bull A	Bull B	
Calf #1	700	625	
Calf #2	600	615	
Calf #3	605	650	
Calf #4	610	640	

Average WW of calves from Bull A = 628.8

Average WW of calves from Bull B = 632.5

Bull A's WW EPD is 51.5, with an accuracy of .75

Bull B's WW EPD is 56.0, with an accuracy of .75

The difference in the two bulls' WW EPDs is 4.5, which is very close to the difference between the average actual weaning weights of their calves in this example, which amounts to 3.7. Even though Bull A has

in and	7242
Seme	1 at 1 888 836 7242
2013	1 888
ration	rad at
t Gene	call B
lexi	O
- The Next Generation 2013 Semen and	e office or call Brad
rds	form to the
refo	m to
f He	for
les of	this
Il copies of Herefords	send thi
tiona	Directory,
r addi	Direc
order ad	bry0
2	Em

NAME		
ADDRESS		
CITY/TOWN	PROVINCE	POSTAL CODE
NUMBER OF COPIES		
Canadian Hereford Association 5160 Skyline Way NE Calgary, Alberta T2E 6V1	Phone: (403) 275-2662 Fax: (403) 295-1333	Toll Free Phone (888) 836-7242 Toll Free Fax (888) 824-2329

Cover Photo Contest!



HERD SIRE EDITION ADVERTISE IN THE

there with your cameras and get busy! \underline{OR} Do you have a great shot from last year? Or maybe of The Digest? We're looking for submissions from across Canada of Hereford Cattle, so run out 10 years ago? Send those in too. We want to see them all! Think your photo has what it takes to be the cover shot of the August 2013 Herd Reference Issue

Photo Requirements:

- Keep in mind this is for the August issue, so a summer photo is ideal, but don't let that stop you from sending photos from all seasons. Also send us your pictures of Hereford Influence Cattle and Hereford Events and anything else Hereford related! We will be featuring your photos and stories on the contents page and in Letters to The Association.
- Ņ Have a story to go along with the photo? Send that in as well. We would love to hear what it took to get that perfect shot!
- ω Let us know where the photo was taken and who took the picture.
- Shots that are taken as a portrait work best for the cover, but again, send us any great landscape photos you have. The cover isn't the only place we may use your photos!
- Ö Send your photos in with the original resolution, please do not edit or crop the photos. We will take care of that at the office!
- 6 You don't have to be a member to submit your photos!
- other CHA advertising. Email your photos to samara@hereford.ca Please note that all photos submitted become property of the Canadian Hereford Association and can be utilized in any Canadian Hereford Association publications or

To book your full, hal brad@hereford.ca quarter or strip ad 1-888-836-7242 Brad Dubeau contact:

JUNE 17, 2013 AD Deadline is

Ŧ,	lf, AD SIZE	FOUR COLOUR PROCESS
	Full Page AD	\$1000.00
	Contract Rate for 2010, 3 tull pages per year	\$2500.00
	1/2 Page AD	\$600.00
	1/4 Page AD	\$400.00
	Strip AD	\$300.00
	Canada Wide Quick Reference AD	\$250.00/year
	Back Cover	\$1,300.00
•	Inside Front Cover	\$1,200.00
	Inside Back Cover	\$1,100.00

Please add 5% GST or applicable HST to all Ad Rates and Subscription

rates do not apply to covers. first-served basis and can be contracted for the year. Discounted contract Agency commissions are additional. Covers are booked on a first-come, a calf with the highest weaning weight, the rest of the calves show that his EPD should be lower than Bull B's. Large contemporary groupings and large numbers of progeny in general will result in an EPD that reflects actual data much more closely.

The CHA is involved in a four-country genetic evaluation, called PACE (Pan American Cattle Evaluation), which includes data from Canada, the United States, Argentina, and Uruguay. EPDs on animals from

these four countries are directly comparable. The evaluation is run twice yearly, in July and December. For more information, please read the EPD Tools, Averages & Trends and Sire Summary Introduction documents (also updated twice yearly) on the CHA website or contact Val Wells at the office.

Canadian Hereford Association EPDs

Calving Ease EPD and Accuracy

Calving Ease EPDs are calculated using birth weight and calving ease score information. Calving ease EPDs represent the ease with which progeny of an animal are born to first calf heifers. The EPD is expressed as a percent probability, with a higher value representing calves with a higher probability of being born unassisted.

Birth Weight EPD and Accuracy

Birth weight is an indicator of calving ease. Higher birth weight EPDs usually indicate more calving difficulty.

Weaning Weight EPD and Accuracy

The weaning EPD reflects progeny growth differences up to 205 days of age.

Yearling Weight EPD and Accuracy

The yearling EPD reflects progeny growth differences through to 365 days of age.

Milk EPD and Accuracy

The milk EPD indicates the ability of a sire's daughters to provide their calves with an environment that encourages growth from birth to weaning, through mothering ability and milk production. This EPD is expressed in the expected difference in pounds of calf at weaning.

Total Maternal EPD

Also known as Milk + Growth, this EPD combines the milk EPD plus ½ the weaning weight EPD. It is expressed in pounds of calf weaned at 205 days and combines the genetics for pre-weaning growth and the influence of the maternal environment on the weaning weight of the daughter's progeny.

Maternal Calving Ease EPD and Accuracy

Maternal Calving Ease EPD represents the ease with which a sire's daughters will calve as first calf heifers, when compared to daughters of other sires. The EPD is expressed as a percent probability, with a higher value representing daughters with a higher probability of unassisted calving.

Scrotal Circumference EPD and Accuracy

The Scrotal Circumference EPD reflects differences in scrotal measurements, taken in centimetres and adjusted to 365 days of age. The SC EPD is positively associated with age at puberty of progeny.

Cow WT EPD and Accuracy

The Cow WT EPD reflects differences in the mature weight of a sire's daughters. This is important as it is related to maintenance energy requirements.

Stayability EPD and Accuracy

The Stay EPD reflects differences in the probability that a sire's daughters will remain in production to produce 3 consecutive calves when retained as breeding heifers.

Maternal Productivity Index and Accuracy

MPI combines the traits of weaning weight, milk, cow weight and stayability based on their relative economic importance, and then ranks animals based on the predicted maternal strength of their progeny within the population.

Feedlot Merit Index and Accuracy

FMI combines the traits of calving ease, weaning weight, yearling weight, rib-eye area, marbling and fat based on their relative economic importance, and then ranks animals based on the predicted profitability of their feeder progeny within the population.

REA EPD and Accuracy

The REA EPD reflects differences in rib-eye area carcass measures in feeder progeny.

Fat EPD and Accuracy

The Fat EPD reflects differences in carcass backfat measures in feeder progeny.

Marbling Fat EPD and Accuracy

The MARB EPD reflects differences in carcass measures of marbling in feeder progeny, using USDA marbling scores.

EPDs denoted in red indicate a Trait Leader. Trait leaders are in the top 20% of the breed with 0.60 accuracy.

	Hereford EPD Averages														
Spring 2013	CE (%)	BW (lbs)	WW (lbs)	YW (lbs)	Milk (lbs)	TM (lbs)	MCE (%)	SC (cm)	CW (lbs)	Stay (%)	MPI	FMI	REA (in²)	FAT (in)	MARB
Active Sires*	0.6	3.5	47.0	77.0	19.0	43.0	1.2	0.8	87.0	-0.2	142.8	125.4	0.29	0.004	0.06
Active Dams**	0.2	3.6	42.0	69.0	16.0	38.0	0.7	0.6	82.0	-0.3	135.3	119.7	0.19	0.001	0.03
Calves***	0.7	3.4	46.0	75.0	19.0	42.0	1.1	0.7	86.0	-0.2	140.2	122.7	0.26	0.003	0.05

CE- Calving Ease BW - Birth Weight WW - Weaning Weight YW - Yearling Weight MILK - Milk TM - Total Maternal (1/2 WW + Milk) MCE - Maternal Calving Ease SC - Scrotal CW - Cow Weight Stay - Stayability MPI - Maternal Productivity Index FMI - Feedlot Merit Index REA - Rib-Eye Area FAT - Back Fat MARB - Marbling Score *Active Sires: those sires that have sired at least 1 calf reported in the last 2 years **Active Dams: those dams that have had a calf reported in the last 2 years

***Calves are those animals born from 2011 to 2012 inclusive. These are the averages on the website.

Return undeliverable Canadian addresses to:

Circulation Department Canadian Hereford Digest 5160 Skyline Way NE Calgary, AB T2E 6V1

Publication Mail Agreement No. 40006161

