

# **Future Opportunity Sale III**



**September 7th, 2023  
Richmond, MN  
1:00 PM CST**



# Live Internet Bidding at

[www.cowbuyer.com](http://www.cowbuyer.com)



- View/Bid online in real time. Registration is required. Please register at least one hour prior to sale time at [www.cowbuyer.com](http://www.cowbuyer.com)
- High speed internet is required. Slower speed will not permit you to bid and keep pace in real time.
- Terms: Purchasing online constates a legal contract and promise for payment of purchase. All purchases must be paid within five days of sale date and prior to load out or delivery of cattle purchased.
- Cowbuyer.com is a service provider and is not responsible for the activity or inactivity of any technology, internet connection at the sale site or connection and technology of the bidder.
- No APP required on mobile devices.

Questions please contact Aaron Ray Tompkins 336-363-4639

# Future Opportunity Sale

Thursday, September 07, 2023 @ 1:00 PM CST

View/ bid online in real time at [www.cowbuyer.com](http://www.cowbuyer.com)

\*Bidders must be pre-register & pre-approved. Contact Aaron Ray Tompkins if you need assistance at 336-363-4639

Feel Free to contact any member of the sale staff below to handle your bids or answer your questions!

## Sale Staff

Arnie Gruenes.....320-493-9703

Arnie Junior Gruenes....320-293-1514

Jamie Endvick.....608-566-9096

Terms of sale: We are not a bank & we do not finance cattle! Buyers will be invoiced immediately by email with overnight payments expected by money wires or good check sent by priority mail to Sale Clerk

## Sale Clerk

Kris Gruenes .....320-493-9704... [krisarn@meltel.net](mailto:krisarn@meltel.net)

We welcome participation from buyers who understand the proceeds need to be issued immediately! Buyers of live cattle should make immediate arrangements with sellers for transportation of purchases after payment has been made to sale managers. We encourage buyers to insure their purchases at least until they arrive at their new homes! Buyers are guaranteed their purchase will be healthy at time of pick up.

## Sale Catalog

Ashley Gruenes.....320-345-0126.....[lilyandmacy@gmail.com](mailto:lilyandmacy@gmail.com)

Twin Spruce Farm is excited to be giving the best opportunity for the future. As we have used these genetics and other cow families to make and grow our future herd early on. Our family would like to thank everyone for the support and hope these genetics will bring you great opportunities for in the future.

Sincerely,

Arnie & Kris Gruenes and Family

This sale will strictly be done on cowbuyer. All bidding will be placed and accepted through cowbuyer. This sale is going to be popcorn bidding. Where Every lot in up to 1-minute intervals after the last person bids will close. There will be two lots going the same time.

There is No auctioneer and No pedigree reader.



T-SPRUCE OVERDO 19547-ET

# Lot 1

# T-SPRUCE OVERDO 19547-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 10/08/2022 Reg: 840003260816959

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1197
Milk	+1945	79%R	Cheese Merit \$		+1214
Fat	+131	+0.19%	FMS +1092	GMS	+1159
Protein	+79	+0.06%	Gestation Len.	MSP	
CFP	+210		EFI %	gEFI 12.2%	gIB 14.5%
SCS	2.72	%R	Mastitis +2.3	Fert. Index	+0.2
PL	+5.0	%R	Livability -0.4	Heifer Liv.	+1.0
DPR	-0.6	%R	HCR +0.5	CCR	+1.1
RFI	-77				
Feed Saved	+7	43%R	0 Dtrs	0 Herds	% US

Beta: A1A2 Kappa: BB DWP\$: 1193

08/2023	GHA TYPE SUMMARY				TPI +3285
PTAT +2.42	78%R	UDC+2.09	FLC+0.80	BSC +1.71	0 D / 0 H

			-2	-1	0	1	2
Stature	+1.97	Tall					
Strength	+1.21	Strong					
Body Depth	+1.46	Deep					
Dairy Form	+2.82	Open Rib					
Rump Angle	+0.51	Sloped					
Thurl Width	+2.01	Wide					
Rear Legs-Side	-0.08	Posty					
Rear Legs-Rear	+0.83	Straight					
Foot Angle	+1.27	Steep					
Feet & Legs Score	+1.24	High					
F. Udder Attachment	+2.24	Strong					
Rear Udder Height	+3.00	High					
Rear Udder Width	+3.80	Wide					
Udder Cleft	+1.42	Strong					
Udder Depth	+1.17	Shallow					
Front Teat Placement	+1.35	Close					
Rear Teat Placement	+1.40	Close					
Teat Length	+0.29	Long					

21 Average  
Oocytes

#1 TPI

OVERDO

DAUGHTER

Tested Positive for MW

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

### Sire: Ladys-Manor Overdo-ET

3214324420 08/23 PTA +3165 GTPI +851 M  
0.33% +129 F +0.33% +56 P +1140 NM\$ +4.9 PL  
+0.3 DPR 2.66 SCS +1.53 T +2.19 UDC +1.01 FLC  
HIGHJUMP x Granite x Millington

### Dam: T-SPRUCE TAOS 16364-ET

Reg: 3235976371 08/23 PTA +3124 GTPI  
+1861 M +112 F +1097 NM\$  
+5.6 PL +0.7 DPR +1.53 T +0.87 UDC  
Sire Stack: Taos x Lionel x Samuri

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE OVERDO 19374-ET

# Lot 2 T-SPRUCE OVERDO 19374-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

### 14.5 average oocytes

Tested Neg for MW

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Born 09/05/2022 Reg: 840003260816786

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1082
Milk	+1088	79%R	Cheese Merit \$		+1101
Fat	+125	+0.29%	FMS +955	GMS	+1055
Protein	+58	+0.08%	Gestation Len.	MSP	
CFP	+183		EFI %	gEFI 11.9%	gIB 11.5%
SCS	2.74	%R	Mastitis +2.4	Fert. Index	+0.6
PL	+4.9	%R	Livability +0.5	Heifer Liv.	+1.1
DPR	+0.1	%R	HCR +0.2	CCR	+1.3
RFI	-7				
Feed Saved	+34	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1325

08/2023	GHA TYPE SUMMARY				TPI +3118
PTAT +1.59	78%R	UDC+1.78	FLC+0.76	BSC+0.62	0 D / 0 H
					-2 -1 0 1 2
Stature	+0.65	Tall			
Strength	+0.36	Strong			
Body Depth	+0.54	Deep			
Dairy Form	+1.78	Open Rib			
Rump Angle	+0.15	Sloped			
Thurl Width	+1.22	Wide			
Rear Legs-Side	-0.15	Posty			
Rear Legs-Rear	+0.65	Straight			
Foot Angle	+0.83	Steep			
Feet & Legs Score	+0.90	High			
F. Udder Attachment	+1.99	Strong			
Rear Udder Height	+1.91	High			
Rear Udder Width	+2.50	Wide			
Udder Cleft	+1.45	Strong			
Udder Depth	+1.11	Shallow			
Front Teat Placement	+1.54	Close			
Rear Teat Placement	+1.96	Close			
Teat Length	+0.17	Long			

### Sire: Ladys-Manor Overdo-ET

3214324420 08/23 PTA +3165 GTPI +851 M  
0.33% +129 F +0.33% +56 P +1140 NM\$ +4.9 PL  
+0.3 DPR 2.66 SCS +1.53 T +2.19 UDC +1.01 FLC  
HIGHJUMP x Granite x Millington

### Dam: T-SPRUCE TAOS 16364-ET

Reg: 3235976371 08/23 PTA +3124 GTPI  
+1861 M +112 F +1097 NM\$  
+5.6 PL +0.7 DPR +1.53 T +0.87 UDC  
Sire Stack: Taos x Lionel x Samuri

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE CHEW 20307-ET

# Lot 3 T-SPRUCE CHEW 20307-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

# POLLED

## #6 TPI

## CHEW

# DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 01/09/2023 Reg: 840003260817719

08/2023	CDCB SUMMARY GENOMIC COW				NMS +1135
Milk	+1039	78%R	Cheese Merit \$		+1157
Fat	+122	+0.28%	FMS +988	GMS	+1089
Protein	+61	+0.10%	Gestation Len.	MSP	
CFP	+183		EFI %	gEFI 11.3%	gIB 11.5%
SCS	2.76	%R	Mastitis +3.4	Fert. Index	+0.1
PL	+6.0	%R	Livability +2.5	Heifer Liv.	+0.9
DPR	+0.1	%R	HCR -1.4	CCR	+1.8
RFI	+35				
Feed Saved	+48	43%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1237

08/2023	GHA TYPE SUMMARY				TPI +3129
PTAT +1.58	77%R	UDC+1.39	FLC+1.07	BSC +0.42	0 D / 0 H
Stature	+0.82	Tall			
Strength	-0.20	Frail			
Body Depth	+0.03	Deep			
Dairy Form	+1.46	Open Rib			
Rump Angle	-1.11	High Pins			
Thurl Width	+0.55	Wide			
Rear Legs-Side	+0.23	Sickle			
Rear Legs-Rear	+1.20	Straight			
Foot Angle	+0.45	Steep			
Feet & Legs Score	+1.20	High			
F. Udder Attachment	+1.81	Strong			
Rear Udder Height	+1.84	High			
Rear Udder Width	+1.41	Wide			
Udder Cleft	+0.49	Strong			
Udder Depth	+1.67	Shallow			
Front Teat Placement	+0.27	Close			
Rear Teat Placement	+0.29	Close			
Teat Length	+0.25	Long			

**Sire: Penn-England Chew-P-ET**

3218109859 08/23 PTA +3020 GTPI +1133 M  
0.18% +97 F +0.07% +55 P +953 NM\$ +4.8 PL  
+0.6 DPR 2.82 SCS +2.13 T +1.94 UDC +1.01 FLC  
Extra x Luster-P x Answer PO

**Dam: T-SPRUCE TAOS 16364-ET**

Reg: 3235976371 08/23 PTA +3124 GTPI  
+1861 M +112 F +1097 NM\$  
+5.6 PL +0.7 DPR +1.53 T +0.87 UDC  
Sire Stack: Taos x Lionel x Samuri

**2<sup>nd</sup> Dam**  
T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

**3<sup>rd</sup> Dam**  
T-Spruce Samuri 6347-ET

**4<sup>th</sup> Dam**  
Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-Spruce Pazzle 20929-ET

# Lot 4 T-Spruce Pazzle 20929-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 04/20/2023 Reg: 840003265765435

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1121
Milk	+691	79%R	Cheese Merit \$		+1149
Fat	+127	+0.35%	FMS +929	GMS	+1086
Protein	+60	+0.13%	Gestation Len.	MSP	
CFP	+187		EFI %	gEFI 11.6%	gIB 14.8%
SCS	2.73	%R	Mastitis +3.5	Fert. Index	+0.9
PL	+5.7	%R	Livability +1.5	Heifer Liv.	+0.9
DPR	+0.3	%R	HCR +1.1	CCR +2.6	
RFI	-115				
Feed Saved	-17	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: AB DWPS: 1286

08/2023	GHA TYPE SUMMARY				TPI +3181
PTAT +1.94	77%R	UDC+1.66	FLC+1.02	BSC +1.14	0 D / 0 H

			-2	-1	0	1	2
Stature	+1.20	Tall					
Strength	+1.04	Strong					
Body Depth	+0.80	Deep					
Dairy Form	+1.04	Open Rib					
Rump Angle	-0.94	High Pins					
Thurl Width	+1.56	Wide					
Rear Legs-Side	-0.33	Posty					
Rear Legs-Rear	+1.33	Straight					
Foot Angle	+1.36	Steep					
Feet & Legs Score	+1.15	High					
F. Udder Attachment	+2.17	Strong					
Rear Udder Height	+2.23	High					
Rear Udder Width	+2.37	Wide					
Udder Cleft	+0.83	Strong					
Udder Depth	+1.37	Shallow					
Front Teat Placement	+0.58	Close					
Rear Teat Placement	+0.88	Close					
Teat Length	+0.80	Long					

## #1 TPI and #3 Net Merit PAZZLE DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg Bull/Neg  
Dam For MW  
Waiting On Her Results

### Sire: Siemers Rz Pazzle 34954-ET

3218556317 08/23 PTA +3053 GTPI +609 M  
0.23% +89 F +0.09% +46 P +849 NM\$ +4.7 PL  
+0.7 DPR 2.75 SCS +3.23 T +2.99 UDC +1.88 FLC  
Rozline x Delta-Lambda x Denver

### Dam: T-SPRUCE TAOS 16364-ET

Reg: 3235976371 08/23 PTA +3124 GTPI  
+1861 M +112 F +1097 NM\$  
+5.6 PL +0.7 DPR +1.53 T +0.87 UDC  
Sire Stack: Taos x Lionel x Samuri

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-Spruce Hike 20886-ET

# Lot 5

# T-Spruce Hike 20886-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 04/12/2023 Reg: 840003265765392

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1322
Milk	+1654	78%R	Cheese Merit \$		+1336
Fat	+129	+0.22%	FMS +1220		GMS +1286
Protein	+71	+0.07%	Gestation Len.		MSP
CFP	+200		EFI %	gEFI 11.8%	gIB 13.8%
SCS	2.91	%R	Mastitis +2.7		Fert. Index +1.0
PL	+6.4	%R	Livability +1.7		Heifer Liv. +1.0
DPR	-0.4	%R	HCR +3.4		CCR +1.2
RFI	-108				
Feed Saved	+390	43%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: DWP\$: 1274

08/2023	GHA TYPE SUMMARY				TPI +3250			
PTAT +1.56	77%R	UDC+1.59	FLC+1.01	BSC -0.14	0 D / 0 H			
				-2	-1	0	1	2
Stature	+0.00	Tall						
Strength	-0.78	Frail						
Body Depth	+0.10	Deep						
Dairy Form	+2.90	Open Rib						
Rump Angle	-0.16	High Pins						
Thurl Width	+0.37	Wide						
Rear Legs-Side	+1.54	Sickle						
Rear Legs-Rear	+0.88	Straight						
Foot Angle	-0.42	Low						
Feet & Legs Score	+1.11	High						
F. Udder Attachment	+0.92	Strong						
Rear Udder Height	+2.55	High						
Rear Udder Width	+2.73	Wide						
Udder Cleft	+0.84	Strong						
Udder Depth	-0.26	Deep						
Front Teat Placement	+1.68	Close						
Rear Teat Placement	+1.84	Close						
Teat Length	+0.06	Long						

## #1 TPI and #2 Net Merit

## HIKE

## DAUGHTER

### Sire: Trifecta Hike-ET

3225319587 08/23 PTA +3097 GTPI +1396 M  
 0.22% +118 F +0.07% +63 P +1229 NM\$ +5.3 PL  
 -0.9 DPR 2.83 SCS +1.17 T +1.97 UDC +0.28 FLC  
 Bosa x Tahiti x Bandares

### Dam: PINE-TREE 8418 CONWA 728-ET

Reg: 3228682798 08/23 PTA +3038 GTPI  
 +1226 M +117 F +1057 NM\$  
 +4.6 PL -1.6 DPR +1.64 T +1.38 UDC  
 Sire Stack: Conway x Pursuit x Achiever

Arnie Gruenes  
 Twin Spruce Farm  
 17565 Co Rd 43  
 Richmond, MN 56368  
 Cows@meltel.net  
 320-493-9703

Tested Neg Bull/Neg  
 Dam For MW

Waiting On Her Results

#### 2<sup>nd</sup> Dam

Pine-TRee 7593 Purs 8418-ET

#### 3<sup>rd</sup> Dam

Pine-Tree Era Achie 7593-ET

#### 4<sup>th</sup> Dam

Sandy-Valley Morgan Era-ET

02-02 2x 365d 34790m 4.2 1450f 3.4 1192p





2nd Dam Mercedes Lionel Lass-ET

# Lot 6

# T-Spruce Hike 20861-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 04/08/2023 Reg: 840003265765367

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1272
Milk	+1210	78%R	Cheese Merit S		+1290
Fat	+133	+0.30%	FMS +1126	GMS	+1224
Protein	+67	+0.10%	Gestation Len.	MSP	
CFP	+200		EFI %	gEFI 11.9%	gIB 15.0%
SCS	2.93	%R	Mastitis +1.1	Fert. Index	-0.5
PL	+5.6	%R	Livability +2.1	Heifer Liv.	+1.0
DPR	-1.4	%R	HCR +1.9	CCR	+0.5
RFI	-124				
Feed Saved	+383	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1333

08/2023	GHA TYPE SUMMARY				TPI +3246
PTAT	+2.34	77%R	UDC+2.71	FLC+1.20	BSC-0.10 0 D / 0 H

			-2	-1	0	1	2
Stature	+0.03	Tall					
Strength	-0.69	Frail					
Body Depth	-0.06	Shallow					
Dairy Form	+2.84	Open Rib					
Rump Angle	-0.72	High Pins					
Thurl Width	+0.70	Wide					
Rear Legs-Side	+0.70	Sickle					
Rear Legs-Rear	+0.87	Straight					
Foot Angle	+0.46	Steep					
Feet & Legs Score	+1.25	High					
F. Udder Attachment	+2.46	Strong					
Rear Udder Height	+3.36	High					
Rear Udder Width	+3.86	Wide					
Udder Cleft	+1.93	Strong					
Udder Depth	+1.14	Shallow					
Front Teat Placement	+2.24	Close					
Rear Teat Placement	+2.51	Close					
Teat Length	-1.17	Short					

## #3 TPI

## HIKE

## DAUGHTER

### Sire: Trifecta Hike-ET

3225319587 08/23 PTA +3097 GTPI +1396 M  
 0.22% +118 F +0.07% +63 P +1229 NM\$ +5.3 PL  
 -0.9 DPR 2.83 SCS +1.17 T +1.97 UDC +0.28 FLC  
 Bosa x Tahiti x Bandares

### Dam: T-SPRUCE HIGHJUMP 16722-ET

Reg: 3235976729 08/23 PTA +3063 GTPI  
 +1486 M +135 F +1078 NM\$  
 +3.2 PL -3.6 DPR +2.06 T +2.39 UDC  
 Sire Stack: Highjump x Lionel x Yoder

#### 2nd Dam

Mercedes Lionel Lass-ET

#### 3rd Dam

Endco Yoder L7933 9839-ET VG-86

Due back with her 6th calf

#### 4th Dam

T-Spruce Lgold 7933-ET

02-05 2x 248d 20320m 4.4 904f 3.4 687p

Arnie Gruenes  
 Twin Spruce Farm  
 17565 Co Rd 43  
 Richmond, MN 56368  
 Cows@meltel.net  
 320-493-9703

Tested Neg Bull/Neg  
 Dam For MW

Waiting On Her Results



T-SPRUCE ROCK PAUL 19535-ET

# Lot 7 T-SPRUCE ROCK PAUL 19535-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 10/06/2022 Reg: 840003260816947

**16 Average  
Oocytes**

**#1 Net Merit  
GEORGE MILLER  
DAUGHTER**

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1098
Milk	+1405	78%R	Cheese Merit \$		+1121
Fat	+104	+0.17%	FMS +971		GMS +1063
Protein	+66	+0.08%	Gestation Len.		MSP
CFP	+170		EFI %	gEFI 11.3%	gIB 16.2%
SCS	2.52	%R	Mastitis +3.4	Fert. Index	+1.5
PL	+6.5	%R	Livability +0.1	Heifer Liv.	+1.2
DPR	+0.7	%R	HCR +1.7	CCR +2.8	
RFI	-40				
Feed Saved	+41	43%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1128

08/2023	GHA TYPE SUMMARY				TPI +3110
PTAT +1.55	77%R	UDC+1.72	FLC+0.00	BSC+0.82	0 D / 0 H
Stature	+1.38	Tall			
Strength	+0.18	Strong			
Body Depth	+0.27	Deep			
Dairy Form	+1.20	Open Rib			
Rump Angle	-1.10	High Pins			
Thurl Width	+0.57	Wide			
Rear Legs-Side	+1.03	Sickle			
Rear Legs-Rear	+0.08	Straight			
Foot Angle	+0.12	Steep			
Feet & Legs Score	+0.39	High			
F. Udder Attachment	+2.58	Strong			
Rear Udder Height	+1.78	High			
Rear Udder Width	+1.40	Wide			
Udder Cleft	+1.39	Strong			
Udder Depth	+2.56	Shallow			
Front Teat Placement	+1.15	Close			
Rear Teat Placement	+1.80	Close			
Teat Length	-0.76	Short			

Sire: Lars-Acres George Miller-ET

3219742983 08/23 PTA +3030 GTPI +436 M  
0.23% +82 F +0.14% +53 P +1032 NM\$ +7.5 PL  
+2.2 DPR 2.50 SCS +0.88 T +1.64 UDC +0.58 FLC  
Taos x Legacy x Jagger

Dam: T-SPRUCE MONSHINER 15704-ET

Reg: 3220247712 08/23 PTA +3077 GTPI  
+1595 M +114 F +1189 NM\$  
+5.9 PL -0.2 DPR +1.13 T +1.29 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

**2<sup>nd</sup> Dam**

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

**3<sup>rd</sup> Dam**

T-Spruce Samuri 6347-ET

**4<sup>th</sup> Dam**

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE ROCK PAUL 19523-ET

# Lot 8 T-SPRUCE ROCK PAUL 19523-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 09/07/2022 Reg: 840003260816800

9.8 Average

#1 TPI

Oocytes

GEORGE MILLER

DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1227
Milk	+1344	78%R	Cheese Merit \$		+1252
Fat	+109	+0.20%	FMS +1068	GMS	+1177
Protein	+72	+0.10%	Gestation Len.	MSP	
CFP	+181		EFI %	gEFI 11.1%	gB 14.3%
SCS	2.65	%R	Mastitis +3.2	Fert. Index	+1.3
PL	+7.6	%R	Livability +2.5	Heifer Liv.	+1.2
DPR	+0.6	%R	HCR +2.6	CCR +3.3	
RFI	-69				
Feed Saved	+103	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1330

08/2023	GHA TYPE SUMMARY				TPI +3238
PTAT +1.99	77%R	UDC+1.95	FLC+0.84	BSC+0.91	0 D / 0 H
Stature	+1.62	Tail			
Strength	+0.00	Strong			
Body Depth	+0.12	Deep			
Dairy Form	+1.61	Open Rib			
Rump Angle	-0.17	High Pins			
Thurl Width	+0.85	Wide			
Rear Legs-Side	-0.40	Posty			
Rear Legs-Rear	+0.99	Straight			
Foot Angle	+1.05	Steep			
Feet & Legs Score	+1.17	High			
F. Udder Attachment	+2.75	Strong			
Rear Udder Height	+2.39	High			
Rear Udder Width	+1.98	Wide			
Udder Cleft	+1.50	Strong			
Udder Depth	+2.46	Shallow			
Front Teat Placement	+1.37	Close			
Rear Teat Placement	+1.69	Close			
Teat Length	-1.19	Short			

Sire: Lars-Acres George Miller-ET

3219742983 08/23 PTA +3030 GTPI +436 M  
0.23% +82 F +0.14% +53 P +1032 NM\$ +7.5 PL  
+2.2 DPR 2.50 SCS +0.88 T +1.64 UDC +0.58 FLC  
Taos x Legacy x Jagger

Dam: T-SPRUCE MONSHINER 15704-ET

Reg: 3220247712 08/23 PTA +3077 GTPI  
+1595 M +114 F +1189 NM\$  
+5.9 PL -0.2 DPR +1.13 T +1.29 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE Figaro 19772

# Lot 9

# T-SPRUCE Figaro 19772

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 11/05/2022 Reg: 840003260817184

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1197
Milk	+1626	79%R	Cheese Merit \$		+1213
Fat	+119	+0.19%	FMS +1103	GMS	+1166
Protein	+67	+0.06%	Gestation Len.	MSP	
CFP	+186		EFI %	gEFI 12.9%	gIB 16.3%
SCS	2.72	%R	Mastitis +1.2	Fert. Index	+0.9
PL	+6.2	%R	Livability -0.3	Heifer Liv.	+0.7
DPR	+0.1	%R	HCR +2.4	CCR	+1.8
RFI	-140				
Feed Saved	+209	45%R	0 Dtrs	0 Herds	% US

Beta: A1A2 Kappa: AE DWPS: 1167

08/2023	GHA TYPE SUMMARY				TPI +3176	
PTAT +1.94	78%R	UDC+1.92	FLC+0.25	BSC +0.77	0 D / 0 H	
		-2	-1	0	1	2
Stature	+1.11	Tall				
Strength	+0.19	Strong				
Body Depth	+0.67	Deep				
Dairy Form	+2.15	Open Rib				
Rump Angle	-0.78	High Pins				
Thurl Width	+0.66	Wide				
Rear Legs-Side	+0.99	Sickle				
Rear Legs-Rear	+0.54	Straight				
Foot Angle	-0.03	Low				
Feet & Legs Score	+0.51	High				
F. Udder Attachment	+1.82	Strong				
Rear Udder Height	+2.98	High				
Rear Udder Width	+2.58	Wide				
Udder Cleft	+1.43	Strong				
Udder Depth	+1.19	Shallow				
Front Teat Placement	+0.61	Close				
Rear Teat Placement	+1.13	Close				
Teat Length	+0.22	Long				

## #2 NET MERIT FIGAGRO DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

### Sire: Ocd Perfect Figaro-ET

3223868608 08/23 PTA +3066 GTPI +1028 M  
0.19% +95 F +0.06% +50 P +974 NM\$ +5.6 PL  
+0.5 DPR 2.81 SCS +2.34 T +2.52 UDC +1.53 FLC  
Perfect x Coffee x Burley

### Dam: T-SPRUCE MONSHINER 15704-ET

Reg: 3220247712 08/23 PTA +3077 GTPI  
+1595 M +114 F +1189 NM\$  
+5.9 PL -0.2 DPR +1.13 T +1.29 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

**2<sup>nd</sup> Dam**  
T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P  
**3<sup>rd</sup> Dam**  
T-Spruce Samuri 6347-ET  
**4<sup>th</sup> Dam**  
Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE KAHN 20216-ET

# Lot 10

# T-SPRUCE KAHN 20216-ET

Born 12/27/2022 Reg: 840003260817628

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW			NMS +1228	
Milk	+1927	78%R	Cheese Merit \$	+1244	
Fat	+127	+0.18%	FMS +1138	GMS	+1167
Protein	+75	+0.05%	Gestation Len.	MSP	
CFP	+202		EFI %	gEFI 12.8%	gIB 20.2%
SCS	2.70	%R	Mastitis +1.0	Fert. Index	-0.8
PL	+5.9	%R	Livability -0.9	Heifer Liv.	+0.8
DPR	-1.8	%R	HCR +2.6	CCR	+0.6
RFI	-94				
Feed Saved	+309	45%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1242

08/2023	GHA TYPE SUMMARY			TPI +3137	
PTAT +1.68	77%R	UDC+1.76	FLC-0.36	BSC +0.39	0 D / 0 H

			-2	-1	0	1	2
Stature	+0.79	Tall					
Strength	-0.46	Frail					
Body Depth	+0.32	Deep					
Dairy Form	+2.98	Open Rib					
Rump Angle	-0.53	High Pins					
Thurl Width	+0.64	Wide					
Rear Legs-Side	+1.43	Sickle					
Rear Legs-Rear	-0.47	Hock In					
Foot Angle	-0.54	Low					
Feet & Legs Score	+0.01	High					
F. Udder Attachment	+1.33	Strong					
Rear Udder Height	+2.58	High					
Rear Udder Width	+2.69	Wide					
Udder Cleft	+1.81	Strong					
Udder Depth	+0.62	Shallow					
Front Teat Placement	+1.48	Close					
Rear Teat Placement	+2.37	Close					
Teat Length	-0.14	Short					

## Sire: Wilra Gameday Kahn-ET

3231304539 08/23 PTA +3117 GTPI +1686 M  
0.20% +123 F +0.06% +69 P +1176 NM\$ +5.9 PL  
-0.9 DPR 2.69 SCS +1.23 T +1.49 UDC -0.24 FLC  
Gameday x Lionel x Achiever

## Dam: T-SPRUCE MONSHINER 15704-ET

Reg: 3220247712 08/23 PTA +3077 GTPI  
+1595 M +114 F +1189 NM\$  
+5.9 PL -0.2 DPR +1.13 T +1.29 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-Spruce VanGogh 20659-ET

# Lot 11

# T-Spruce VanGogh 20659-ET

Born 03/02/2023 Reg: 840003260818071

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1269
Milk	+1159	79%R	Cheese Merit \$		+1294
Fat	+123	+0.27%	FMS +1110	GMS	+1215
Protein	+66	+0.10%	Gestation Len.	MSP	
CFP	+189		EFI %	gEFI 12.3%	gIB 16.6%
SCS	2.60	%R	Mastitis +3.4	Fert. Index	+1.1
PL	+7.6	%R	Livability +2.9	Heifer Liv.	+0.7
DPR	+0.3	%R	HCR +2.2	CCR +2.4	
RFI	-136				
Feed Saved	+258	44%R		0 Dtrs 0 Herds	% US

Beta: A1A2 Kappa: BB DWP\$: 1450

08/2023	GHA TYPE SUMMARY				TPI +3096
PTAT +0.34	77%R	UDC+0.60	FLC-0.60	BSC-0.20	0 D / 0 H

			-2	-1	0	1	2
Stature	-0.02	Short					
Strength	-0.36	Frail					
Body Depth	-0.28	Shallow					
Dairy Form	+0.89	Open Rib					
Rump Angle	+0.11	Sloped					
Thurl Width	-0.63	Narrow					
Rear Legs-Side	+0.04	Sickle					
Rear Legs-Rear	-0.81	Hock In					
Foot Angle	-0.29	Low					
Feet & Legs Score	-0.51	Low					
F. Udder Attachment	+0.76	Strong					
Rear Udder Height	+1.12	High					
Rear Udder Width	+0.69	Wide					
Udder Cleft	-0.46	Weak					
Udder Depth	+0.51	Shallow					
Front Teat Placement	-0.27	Wide					
Rear Teat Placement	-0.37	Wide					
Teat Length	-0.68	Short					

## #1 NET MERIT VAN GOGH DAUGHTER

Tested Neg for MW

**Sire: LEVEL-PLAIN TDG VAN GOGH-ET**

3208694569 08/23 PTA +2997 GTPI +1369 M  
0.05% +122 F +0.24% +57 P +1136 NM\$ +6.5 PL  
-1.0 DPR 2.60 SCS +0.43 T +0.56 UDC -0.26 FLC  
Top Dog x Acura x Achiever

**Dam: T-SPRUCE MONSHINER 15704-ET**

Reg: 3220247712 08/23 PTA +3077 GTPI  
+1595 M +114 F +1189 NM\$  
+5.9 PL -0.2 DPR +1.13 T +1.29 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

**2<sup>nd</sup> Dam**

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

**3<sup>rd</sup> Dam**

T-Spruce Samuri 6347-ET

**4<sup>th</sup> Dam**

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703



T-SPRUCE LTWRTH 20218-ET

# Lot 12

# T-SPRUCE LTWRTH 20218-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

## #5 TPI

# LETCHWORTH DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 12/27/2022 Reg: 840003260817630

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1216
Milk	+1114	78%R	Cheese Merit \$		+1238
Fat	+123	+0.28%	FMS +1060	GMS	+1183
Protein	+65	+0.10%	Gestation Len.	MSP	
CFP	+188		EFI %	gEFI	11.6% gIB 17.2%
SCS	2.75	%R	Mastitis +1.5	Fert. Index	+1.3
PL	+6.5	%R	Livability +2.5	Heifer Liv.	+0.7
DPR	+0.6	%R	HCR +2.2	CCR	+2.3
RFI	-163				
Feed Saved	+158	43%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1116

08/2023	GHA TYPE SUMMARY				TPI +3210
PTAT +1.69	77%R	UDC+1.46	FLC+0.94	BSC +0.88	0 D / 0 H

			-2	-1	0	1	2
Stature	+1.27	Tall					
Strength	+0.33	Strong					
Body Depth	+0.35	Deep					
Dairy Form	+1.52	Open Rib					
Rump Angle	+1.20	Sloped					
Thurl Width	+1.09	Wide					
Rear Legs-Side	+0.31	Sickle					
Rear Legs-Rear	+1.19	Straight					
Foot Angle	+0.95	Steep					
Feet & Legs Score	+1.14	High					
F. Udder Attachment	+1.47	Strong					
Rear Udder Height	+2.18	High					
Rear Udder Width	+2.31	Wide					
Udder Cleft	+1.01	Strong					
Udder Depth	+1.08	Shallow					
Front Teat Placement	+1.39	Close					
Rear Teat Placement	+1.51	Close					
Teat Length	-0.98	Short					

### Sire: Aurora Letchworth-ET

3218470965 08/23 PTA +3116 GTPI +948 M  
0.25% +110 F +0.10% +59 P +1130 NM\$ +6.0 PL  
+1.2 DPR 2.78 SCS +1.41 T +1.49 UDC +0.57 FLC  
Conway x Rapid x Frazzled

### Dam: T-SPRUCE GAMEDAY 16896-ET

Reg: 3235976903 08/23 PTA +3061 GTPI  
+1238 M +106 F +1091 NM\$  
+6.3 PL +1.3 DPR +1.30 T +1.08 UDC  
Sire Stack: Gameday x Renegade x Frazzled

**2<sup>nd</sup> Dam**  
T-Spruce Renegade 13580-ET  
**3<sup>rd</sup> Dam**  
T-Spruce Frazzled 6471-ET G-79  
02-03 3x 365d 35800m 4.3 1544f 3.3 1177p  
**4<sup>th</sup> Dam**  
Melarry Spring 9500-ET



T-SPRUCE LTWRTH 20245-ET

# Lot 13

# T-SPRUCE LTWRTH 20245-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 01/01/2023 Reg: 840003260817657

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1191
Milk	+958	78%R	Cheese Merit \$		+1212
Fat	+122	+0.29%	FMS +1063		GMS +1174
Protein	+54	+0.08%	Gestation Len.		MSP
CFP	+176		EFI %	gEFI 11.3%	gIB 20.6%
SCS	2.68	%R	Mastitis +2.7		Fert. Index +2.2
PL	+6.7	%R	Livability +2.2		Heifer Liv. +0.6
DPR	+1.2	%R	HCR +3.6		CCR +3.8
RFI	-104				

Feed Saved +129 42%R 0 Dtrs 0 Herds % US  
Beta: A2A2 Kappa: AB DWPS: 1204

08/2023	GHA TYPE SUMMARY				TPI +3199
PTAT +1.47	77%R	UDC+1.64	FLC+0.86	BSC+0.49	0 D / 0 H
Stature	+0.81	Tall			
Strength	-0.07	Frail			
Body Depth	-0.14	Shallow			
Dairy Form	+1.08	Open Rib			
Rump Angle	+0.81	Sloped			
Thurl Width	+1.25	Wide			
Rear Legs-Side	+0.66	Sickle			
Rear Legs-Rear	+1.00	Straight			
Foot Angle	+0.68	Steep			
Feet & Legs Score	+1.00	High			
F. Udder Attachment	+1.50	Strong			
Rear Udder Height	+2.40	High			
Rear Udder Width	+2.06	Wide			
Udder Cleft	+0.90	Strong			
Udder Depth	+1.41	Shallow			
Front Teat Placement	+0.88	Close			
Rear Teat Placement	+1.30	Close			
Teat Length	-0.73	Short			

### Sire: Aurora Letchworth-ET

3218470965 08/23 PTA +3116 GTPI +948 M  
0.25% +110 F +0.10% +59 P +1130 NM\$ +6.0 PL  
+1.2 DPR 2.78 SCS +1.41 T +1.49 UDC +0.57 FLC  
Conway x Rapid x Frazzled

### Dam: T-SPRUCE GAMEDAY 16896-ET

Reg: 3235976903 08/23 PTA +3061 GTPI  
+1238 M +106 F +1091 NM\$  
+6.3 PL +1.3 DPR +1.30 T +1.08 UDC  
Sire Stack: Gameday x Renegade x Frazzled

**2<sup>nd</sup> Dam**  
T-Spruce Renegade 13580-ET  
**3<sup>rd</sup> Dam**  
T-Spruce Frazzled 6471-ET G-79  
02-03 3x 365d 35800m 4.3 1544f 3.3 1177p  
**4<sup>th</sup> Dam**  
Melarry Spring 9500-ET





2nd Dam Mercedes Lionel Lass-ET



T-SPRUCE LTWRTH 20374-ET

# Lot 14

# T-SPRUCE LTWRTH 20374-ET

Born 01/18/2023 Reg: 840003260817786

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

08/2023	CDCB SUMMARY GENOMIC COW				NMS +1154
Milk	+2005	79%R	Cheese Merit S		+1167
Fat	+119	+0.14%	FMS +1049	GMS	+1110
Protein	+82	+0.07%	Gestation Len.	MSP	
CFP	+201		EFI %	gEFI 11.0%	gIB 14.3%
SCS	2.93	%R	Mastitis +1.0	Fert. Index	+0.3
PL	+5.4	%R	Livability +0.0	Heifer Liv.	+0.8
DPR	-0.5	%R	HCR +1.2	CCR	+1.6
RFI	-71				

Tested Neg for MW

Beta: A2A2 Kappa: AB DWP\$: 980

08/2023	GHA TYPE SUMMARY				TPI +3176
PTAT +1.92	77%R	UDC+1.44	FLC+0.87	BSC +1.28	0 D / 0 H

			-2	-1	0	1	2
Stature	+1.74	Tall					
Strength	+0.62	Strong					
Body Depth	+0.81	Deep					
Dairy Form	+2.26	Open Rib					
Rump Angle	+0.82	Sloped					
Thurl Width	+1.32	Wide					
Rear Legs-Side	+0.84	Sickle					
Rear Legs-Rear	+1.37	Straight					
Foot Angle	+0.37	Steep					
Feet & Legs Score	+1.20	High					
F. Udder Attachment	+1.39	Strong					
Rear Udder Height	+2.32	High					
Rear Udder Width	+2.77	Wide					
Udder Cleft	+1.05	Strong					
Udder Depth	+0.82	Shallow					
Front Teat Placement	+0.72	Close					
Rear Teat Placement	+1.12	Close					
Teat Length	+0.33	Long					

## Sire: Aurora Letchworth-ET

3218470965 08/23 PTA +3116 GTPI +948 M  
0.25% +110 F +0.10% +59 P +1130 NM\$ +6.0 PL  
+1.2 DPR 2.78 SCS +1.41 T +1.49 UDC +0.57 FLC  
Conway x Rapid x Frazzled

## Dam: T-SPRUCE TAOS 15384-ET

Reg: 3219884957 08/23 PTA +3102 GTPI  
+2477 M +98 F +1037 NM\$  
+5.5 PL -0.2 DPR +1.88 T +1.68 UDC  
Sire Stack: Taos x Lionel x Yoder

### 2nd Dam

Mercedes Lionel Lass-ET

### 3rd Dam

Endco Yoder L7933 9839-ET VG-86  
Due back for her 6th calf

### 4th Dam

T-Spruce Lgold 7933-ET  
02-05 2x 248d 20320m 4.4 904f 3.4 687p



Dam: T-SPRUCE LIONEL 13196-ET GP – 83



T-SPRUCE F BITE 19067-ET

# Lot 15 T-SPRUCE F BITE 19067-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

### 17.5 Average Oocytes

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 07/15/2022 Reg: 840003251844237

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1295
Milk	+1576	79%R	Cheese Merit \$		+1313
Fat	+123	+0.21%	FMS +1165		GMS +1289
Protein	+74	+0.08%	Gestation Len.		MSP
CFP	+197		EFI %	gEFI 11.7%	gIB 36.3%
SCS	2.85	%R	Mastitis +1.0		Fert. Index +1.5
PL	+5.7	%R	Livability +1.1		Heifer Liv. +1.2
DPR	+0.1	%R	HCR +4.5		CCR +2.5
RFI	-206				
Feed Saved	+420	44%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1479

08/2023	GHA TYPE SUMMARY				TPI +3139
PTAT +0.42	78%R	UDC+1.10	FLC-0.27	BSC-0.98	0 D / 0 H
			-2	-1	0 1 2
Stature	-1.09	Short			
Strength	-1.06	Frail			
Body Depth	-1.14	Shallow			
Dairy Form	+0.65	Open Rib			
Rump Angle	-0.79	High Pins			
Thurl Width	-0.01	Narrow			
Rear Legs-Side	+1.56	Sickle			
Rear Legs-Rear	-0.95	Hook In			
Foot Angle	-1.36	Low			
Feet & Legs Score	-0.21	Low			
F. Udder Attachment	+0.82	Strong			
Rear Udder Height	+1.57	High			
Rear Udder Width	+1.46	Wide			
Udder Cleft	-0.33	Weak			
Udder Depth	+0.29	Shallow			
Front Teat Placement	-0.11	Wide			
Rear Teat Placement	-0.01	Wide			
Teat Length	-1.20	Short			

**Sire: T-Spruce G Frost Bite-ET**

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

**Dam: T-SPRUCE LIONEL 13196-ET GP – 83**

Reg: 3205638661 08/23 PTA +3069 GTPI  
+1658 M +127 F +1098 NM\$  
+4.0 PL -0.7 DPR +1.01 T +0.87 UDC  
Sire Stack: Lionel x Samuri x Altaspring  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

**2<sup>nd</sup> Dam**

T-Spruce Samuri 6347-ET

**3<sup>rd</sup> Dam**

Mercedes Ts 9539-ET

02-00 3x 354d 30670m 3.7 1149f 3.2 991p

**4<sup>th</sup> Dam**

T-Spruce Lgold 7871-ET



Dam: T-SPRUCE LIONEL 13196-ET GP – 83

# Lot 16 T-SPRUCE OVERDO 19386-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

## 10 Average Oocytes

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 09/07/2022 Reg: 840003260816798

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1194
Milk	+1777	79%R	Cheese Merit S		+1208
Fat	+150	+0.27%	FMS +1098		GMS +1200
Protein	+73	+0.06%	Gestation Len.		MSP
CFP	+223		EFI %	gEFI 11.7%	gIB 10.8%
SCS	2.86	%R	Mastitis +0.8		Fert. Index +0.4
PL	+3.3	%R	Livability -1.1		Heifer Liv. +0.4
DPR	-0.7	%R	HCR +2.7		CCR +1.1
RFI	-69				
Feed Saved	+194	44%R		0 Dtrs 0 Herds	% US

Beta: A1A2 Kappa: AB DWPF: 1281

08/2023	GHA TYPE SUMMARY				TPI +3171
PTAT +1.09	78%R	UDC+1.18	FLC+0.15	BSC+0.45	0 D / 0 H
Stature	+0.34	Tail			
Strength	+0.16	Strong			
Body Depth	+0.65	Deep			
Dairy Form	+2.79	Open Rib			
Rump Angle	+0.06	Sloped			
Thurl Width	+1.42	Wide			
Rear Legs-Side	+1.00	Sickle			
Rear Legs-Rear	-0.13	Hook In			
Foot Angle	-0.09	Low			
Feet & Legs Score	+0.36	High			
F. Udder Attachment	+0.78	Strong			
Rear Udder Height	+1.88	High			
Rear Udder Width	+2.95	Wide			
Udder Cleft	+0.43	Strong			
Udder Depth	-0.62	Deep			
Front Teat Placement	+0.63	Close			
Rear Teat Placement	+0.87	Close			
Teat Length	-0.27	Short			

### Sire: Ladys-Manor Overdo-ET

3214324420 08/23 PTA +3165 GTPI +851 M  
0.33% +129 F +0.33% +56 P +1140 NM\$ +4.9 PL  
+0.3 DPR 2.66 SCS +1.53 T +2.19 UDC +1.01 FLC  
HIGHJUMP x Granite x Millington

### Dam: T-SPRUCE LIONEL 13196-ET GP – 83

Reg: 3205638661 08/23 PTA +3069 GTPI  
+1658 M +127 F +1098 NM\$  
+4.0 PL -0.7 DPR +1.01 T +0.87 UDC  
Sire Stack: Lionel x Samuri x Altaspring  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

**2<sup>nd</sup> Dam**  
T-Spruce Samuri 6347-ET  
**3<sup>rd</sup> Dam**  
Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p  
**4<sup>th</sup> Dam**  
T-Spruce Lgold 7871-ET



T-SPRUCE F BITE 19060-ET

# Lot 17

# T-SPRUCE F BITE 19060-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 07/14/2022 Reg: 840003251844230

**22 Average  
oocytes**

**#3 TPI**

**FROST BITE  
DAUGHTER**

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1291
Milk	+1774	79%R	Cheese Merit \$		+1310
Fat	+140	+0.24%	FMS +1164	GMS	+1273
Protein	+79	+0.08%	Gestation Len.	MSP	
CFP	+219		EFI %	gEFI 12.0%	gIB 18.4%
SCS	2.78	%R	Mastitis +0.8	Fert. Index	+0.7
PL	+4.7	%R	Livability +0.4	Heifer Liv.	+1.2
DPR	-0.7	%R	HCR +3.4	CCR	+1.3
RFI	-112				
Feed Saved	+250	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1415

Tested Neg for MW

**Sire: T-Spruce G Frost Bite-ET**

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

**Dam: T-SPRUCE ZASBERILA 14869-ET**

Reg: 3251844230 08/23 PTA +3195 GTPI  
+1774 M +140 F +1291 NM\$  
+4.7 PL -0.7 DPR +0.45 T +1.30 UDC

Sire Stack: Frost Bite x Zasberilla x Nightsky

08/2023	GHA TYPE SUMMARY				TPI +3195		
PTAT +0.45	78%R	UDC+1.30	FLC-0.38	BSC-0.44	0 D / 0 H		
			-2	-1	0	1	2
Stature	-0.45	Short					
Strength	-0.70	Frail					
Body Depth	-0.77	Shallow					
Dairy Form	+0.79	Open Rib					
Rump Angle	-0.20	High Pins					
Thurl Width	+0.76	Wide					
Rear Legs-Side	+0.17	Sickle					
Rear Legs-Rear	-1.02	Hock In					
Foot Angle	-0.42	Low					
Feet & Legs Score	-0.28	Low					
F. Udder Attachment	+0.88	Strong					
Rear Udder Height	+1.83	High					
Rear Udder Width	+1.78	Wide					
Udder Cleft	+0.74	Strong					
Udder Depth	+0.32	Shallow					
Front Teat Placement	+0.95	Close					
Rear Teat Placement	+1.24	Close					
Teat Length	-1.31	Short					

**2<sup>nd</sup> Dam**

T-Spruce Zasberila 14869-ET

**3<sup>rd</sup> Dam**

T-Spruce Nightsky 12547-ET

02-04 3x 365d 31860m 4.4 1387f 3.5 1107p

**4<sup>th</sup> Dam**

T-Spruce Frazzled 10734-ET



BLUMENFELD MILKY KATE-ET



Blumenfeld 4292 MOD 5330-ET

# Lot 18 BLUMENFELD MILKY KATE-ET

Born 03/30/2023 Reg: 840003242339805

#4 TPI & #1 NET MERIT

Brian Waldner  
Blumenfeld Holsteins  
6189 170<sup>th</sup> St N  
Hawley MN, 56549  
brian@blumenfeldholsteins.com  
701-630-2713

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1290
Milk	+1476	79%R	Cheese Merit \$		+1307
Fat	+131	+0.25%	FMS +1162	GMS	+1238
Protein	+71	+0.09%	Gestation Len.	MSP	
CFP	+202		EFI %	gEFI 11.3%	gIB 13.6%
SCS	2.91	%R	Mastitis +2.2	Fert. Index	+0.5
PL	+6.7	%R	Livability +3.0	Heifer Liv.	+1.2
DPR	-0.3	%R	HCR +2.1	CCR	+1.6
RFI	-37				
Feed Saved	+251	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1442

08/2023	GHA TYPE SUMMARY				TPI +3145
PTAT +0.56	77%R	UDC+0.82	FLC+0.33	BSC -0.57	0 D / 0 H

			-2	-1	0	1	2
Stature	-0.35	Short					
Strength	-1.04	Frail					
Body Depth	-0.97	Shallow					
Dairy Form	+1.10	Open Rib					
Rump Angle	+0.32	Sloped					
Thurl Width	+0.10	Wide					
Rear Legs-Side	-0.10	Posty					
Rear Legs-Rear	-0.25	Hock In					
Foot Angle	+0.07	Steep					
Feet & Legs Score	+0.38	High					
F. Udder Attachment	+0.89	Strong					
Rear Udder Height	+1.29	High					
Rear Udder Width	+1.16	Wide					
Udder Cleft	-0.70	Weak					
Udder Depth	+0.43	Shallow					
Front Teat Placement	-0.05	Wide					
Rear Teat Placement	-0.38	Wide					
Teat Length	-0.66	Short					

## MILKY DAUGHTER

Tested Neg for MW

Sire: Pine-TRee Lionel Milky-ET

3150687388 08/23 PTA +3047 GTPI +1818 M  
0.18% +124 F +0.06% +74 P +1165 NM\$ +4.5 PL  
-2.3 DPR 2.95 SCS +0.87 T +1.33 UDC +0.04 FLC  
Lionel x Achiever x Damaris

Dam: BLUMENFELD TORRO 7786-ET

Reg: 3232439440 08/23 PTA +2851 GTPI  
+1619 M +91 F +1093 NM\$  
+6.3 PL +0.1 DPR -0.33 T +0.35 UDC  
Sire Stack: Torro x Billy x Frazzled

2<sup>nd</sup> Dam  
Blumenfeld Billy 6957-ET  
3<sup>rd</sup> Dam  
Blumenfeld Frazzled 6123-ET  
4<sup>th</sup> Dam  
Blumenfeld 4292 Mod 5330-ET



3<sup>rd</sup> Dam: Pine-Tree Era Achie 7593-ET

Lot 19

MAJR 737 JEREMY 889-ET

Born 05/27/2023 Reg: 840003265892269

Joe and Kenny Ramsier  
Ramsier's Willow Spring Farm  
2477 Eastern Rd  
Rittman, OH 44270  
ramsier.12@osu.edu  
234-956-4100

08/2023	CDCB SUMMARY GENOMICCOW			NMS +1269
Milk	+1473	78%R	Cheese Merit \$	+1291
Fat	+157	+0.34%	FMS +1120	GMS +1218
Protein	+74	+0.10%	Gestation Len.	MSP
CFP	+231		EFI %	gEFI 11.6% gIB 20.8%
SCS	2.70	%R	Mastitis +1.4	Fert. Index -1.1
PL	+4.3	%R	Livability -2.2	Heifer Liv. +0.9
DPR	-2.5	%R	HCR +3.1	CCR -1.0
RFI	-170			
Feed Saved	+350	43%R	0 Dtrs	0 Herds % US

#1 TPI & NET MERIT  
JEREMY DAUGHTER

Tested Neg for MW

Beta: A1A2 Kappa: AB DWP\$: 1010

08/2023	GHA TYPE SUMMARY			TPI +3140
PTAT +1.12	78%R	UDC+0.46	FLC-0.19	BSC +0.56 0 D / 0 H
				-2 -1 0 1 2
Stature	+1.04	Tall		
Strength	-0.36	Frail		
Body Depth	+0.32	Deep		
Dairy Form	+2.84	Open Rib		
Rump Angle	-0.43	High Pins		
Thurl Width	+0.82	Wide		
Rear Legs-Side	+0.82	Sickle		
Rear Legs-Rear	-0.19	Hock In		
Foot Angle	-0.16	Low		
Feet & Legs Score	+0.15	High		
F. Udder Attachment	+0.33	Strong		
Rear Udder Height	+1.52	High		
Rear Udder Width	+1.70	Wide		
Udder Cleft	+0.02	Strong		
Udder Depth	-0.04	Deep		
Front Teat Placement	-0.52	Wide		
Rear Teat Placement	-0.35	Wide		
Teat Length	+1.28	Long		

Sire: S-S-I Rozline Jeremy-ET

3231304506 08/23 PTA +2988 GTPI +323 M  
0.44% +136 F +0.13% +47 P +1021 NM\$ +3.8 PL  
-1.5 DPR 2.73 SCS +1.49 T +1.00 UDC +0.33 FLC  
Rozline x Big AI x Flyer

Dam: PINE-TREE 8418 GAME 737-ET

Reg: 3228682807 08/23 PTA +3014 GTPI  
+1489 M +110 F +1143 NM\$  
+6.2 PL -1.1 DPR +1.05 T +1.07 UDC  
Sire Stack: Gameday x Pursuit x Achiever

2<sup>nd</sup> Dam

Pine-TREE 7593 Purs 8418-ET

3<sup>rd</sup> Dam

Pine-Tree Era Achie 7593-ET

4<sup>th</sup> Dam

Sandy-Valley Morgan Era-ET

02-02 2x 365d 34790m 4.2 1450f 3.4 1192p



3rd Dam: Pine-Tree Era Achie 7593-ET

# Lot 20

# SDG-PH 7589 HAYK 8124-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 03/12/2023 Reg: 840003255803600

## #3 TPI

## HAYK

## DAUGHTER

Jim Vierhout  
Nathan Johnson Co-owner  
510 Railroad St., Box 563  
Hull, IA 51239  
jimvierhout@gmail.com  
712-470-1202

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1170
Milk	+2243	78%R	Cheese Merit S		+1176
Fat	+120	+0.11%	FMS +1137	GMS	+1137
Protein	+73	+0.01%	Gestation Len.	MSP	
CFP	+193		EFI %	gEFI	11.6% gIB 11.0%
SCS	2.82	%R	Mastitis +1.8	Fert. Index	+0.7
PL	+5.4	%R	Livability +2.0	Heifer Liv.	+1.4
DPR	+0.1	%R	HCR +0.8	CCR	+1.9
RFI	-89				
Feed Saved	+54	45%R	0 Dtrs	0 Herds	% US

Beta: A1A21 Kappa: BB DWP\$: 981

08/2023	GHA TYPE SUMMARY				TPI +3196
PTAT +2.00	77%R	UDC+1.56	FLC+0.77	BSC+1.34	0 D / 0 H
Stature	+1.62	Tall			
Strength	+0.88	Strong			
Body Depth	+1.21	Deep			
Dairy Form	+2.32	Open Rib			
Rump Angle	-0.93	High Pins			
Thurl Width	+1.34	Wide			
Rear Legs-Side	+0.39	Sickle			
Rear Legs-Rear	+0.88	Straight			
Foot Angle	+0.61	Steep			
Feet & Legs Score	+1.15	High			
F. Udder Attachment	+1.62	Strong			
Rear Udder Height	+2.59	High			
Rear Udder Width	+2.74	Wide			
Udder Cleft	+1.22	Strong			
Udder Depth	+0.88	Shallow			
Front Teat Placement	+0.70	Close			
Rear Teat Placement	+0.88	Close			
Teat Length	+0.88	Long			

**Sire: Welcome-Tel Taos Hayk-ET**

3214541122 08/23 PTA +3085 GTPI +1174 M  
0.17% +94 F +0.10% +65 P +1028 NM\$ +6.4 PL  
+1.6 DPR 2.57 SCS +1.36 T +1.41 UDC +0.54 FLC  
Taos x Tahiti x Superhero

**Dam: SDG-PH 8543 BURLEY 7589-ET**

Reg: 3232450993 08/23 PTA +2945 GTPI  
+2332 M +113 F +1009 NM\$  
+3.4 PL -2.9 DPR +1.61 T +1.15 UDC

Sire Stack: Burley x Timberlake x Achiever

Fresh in June milking 105lbs 3 x with a beautiful dairy frame has a very nice udder and teat placement

**2nd Dam**

Pine-Tree 7593 Timb 8543-ET GP-83 VG MS  
1-10 3x 365d 35,730 3.9 1377 2.9 1044

**3rd Dam**

Pine-Tree Era Achie 7593-ET  
GP-82 1-10 365 35,130 5.0 1758 3.1 1084

**4th Dam**

Sandy-Valley Morgan Era-ET GP-83 GMD DOM  
02-02 2x 365d 34790m 4.2 1450f 3.4 1192p



3rd Dam: Pine-Tree Era Achie 7593-ET

# Lot 21 SDG-PH 7680 CUMULUS 8080ET

## IVF Session

## 28 oocytes

## #3 TPI

Jim Vierhout  
Nathan Johnson Co-owner  
510 Railroad St., Box 563  
Hull, IA 51239  
jimvierhout@gmail.com  
712-470-1202

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

## first Aspiration CUMULUS

## No stim

## DAUGHTER

Tested Neg for MW

Born 01/20/2023 Reg: 840003255803556

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1203
Milk	+1558	78%R	Cheese Merit \$		+1223
Fat	+129	+0.23%	FMS +1076	GMS	+1154
Protein	+72	+0.08%	Gestation Len.	MSP	
CFP	+201		EFI %	gEFI 11.6%	gIB 11.5%
SCS	2.72	%R	Mastitis +2.6	Fert. Index	+0.6
PL	+5.7	%R	Livability +2.6	Heifer Liv.	+0.6
DPR	-0.4	%R	HCR +3.4	CCR	+1.3
RFI	-27				
Feed Saved	+54	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1267

08/2023	GHA TYPE SUMMARY				TPI +3185
PTAT +1.27	77%R	UDC+0.84	FLC+0.88	BSC +0.79	0 D / 0 H
					-2 -1 0 1 2
Stature	+1.05	Tall			
Strength	+0.29	Strong			
Body Depth	+0.42	Deep			
Dairy Form	+1.88	Open Rib			
Rump Angle	-0.14	High Pins			
Thurl Width	+1.29	Wide			
Rear Legs-Side	+0.22	Sickle			
Rear Legs-Rear	+1.29	Straight			
Foot Angle	+0.56	Steep			
Feet & Legs Score	+0.97	High			
F. Udder Attachment	+1.20	Strong			
Rear Udder Height	+1.42	High			
Rear Udder Width	+1.72	Wide			
Udder Cleft	+0.18	Strong			
Udder Depth	+0.60	Shallow			
Front Teat Placement	-0.17	Wide			
Rear Teat Placement	-0.22	Wide			
Teat Length	+0.50	Long			

**Sire: Winstar Conway Cumulus-ET**

3224809684 08/23 PTA +3073 GTPI +1636 M  
0.20% +123 F +0.07% +72 P +1116 NM\$ +4.6 PL  
-1.0 DPR 2.82 SCS +1.11 T +0.65 UDC +0.81 FLC  
Conway x Lionel x Medley

**Dam: SDG-PH 8543 TRIBUTE 7680-ET**

Reg: 3241772819 08/23 PTA +3113 GTPI  
+2246 M +98 F +1122 NM\$  
+6.4 PL -1.0 DPR +1.48 T +1.75 UDC  
Sire Stack: Tribute x Timberlake x Achiever  
Due 12-05-2023 and looks great

**2nd Dam**

Pine-TTree 7593 Timb 8543-ET GP-83 VG MS  
1-10 3x 365d 35,730 3.9 1377 2.9 1044

**3rd Dam**

Pine-Tree Era Achie 7593-ET  
GP-82 1-10 365 35,130 5.0 1758 3.1 1084

**4th Dam**

Sandy-Valley Morgan Era-ET GP-83 GMD DOM  
02-02 2x 365d 34790m 4.2 1450f 3.4 1192p



# Lot 22 SANDY-VALLEY ECSCO 40990-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 02/14/2023 Reg: 840003257574090

## #3 TPI #4 NET MERIT MAASTRICHT DAUGHTER

Siemers Holsteins  
14421 Mineral Springs Road  
Newton, Wisconsin 53063  
920-693-3600  
siemers@excel.net

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1211
Milk	+1130	79%R	Cheese Merit \$		+1230
Fat	+110	+0.23%	FMS +1089	GMS	+1196
Protein	+58	+0.08%	Gestation Len.	MSP	
CFP	+168		EFI %	gEFI 12.5%	gIB 16.8%
SCS	2.71	%R	Mastitis +2.5	Fert. Index	+0.7
PL	+6.1	%R	Livability +2.1	Heifer Liv.	+1.1
DPR	+0.4	%R	HCR +1.7	CCR	+1.7
RFI	-236				
Feed Saved	+425	44%R	0 Dtrs	0 Herds	% US

Beta: A1A2 Kappa: AA DWP\$: 1330

08/2023	GHA TYPE SUMMARY				TPI +3107
PTAT +1.08	77%R	UDC+1.90	FLC+0.55	BSC -0.93	0 D / 0 H
Stature	-1.01	Short			
Strength	-0.89	Frail			
Body Depth	-1.10	Shallow			
Dairy Form	+0.48	Open Rib			
Rump Angle	-1.48	High Pins			
Thurl Width	-0.34	Narrow			
Rear Legs-Side	+0.31	Sickle			
Rear Legs-Rear	-0.13	Hook In			
Foot Angle	+0.04	Steep			
Feet & Legs Score	+0.44	High			
F. Udder Attachment	+1.88	Strong			
Rear Udder Height	+2.64	High			
Rear Udder Width	+2.22	Wide			
Udder Cleft	+0.04	Strong			
Udder Depth	+0.83	Shallow			
Front Teat Placement	-0.24	Wide			
Rear Teat Placement	-0.02	Wide			
Teat Length	-0.43	Short			

### Sire: Progenesis Maastricht

14074677 08/23 PTA +3037 GTPI +1210 M  
0.16% +93 F +0.06% +55 P +1157 NM\$ +7.1 PL  
+1.2 DPR 2.60 SCS +0.84 T +1.96 UDC -0.33 FLC  
Brave x Pyramid x Topnotch

### Dam: SANDY-VALLEY ENSCONCE

Reg: 3215684400 08/23 PTA +3004 GTPI  
+1296 M +99 F +1132 NM\$  
+6.3 PL -0.3 DPR +1.24 T +1.43 UDC  
Sire Stack: Gameday x Brass x Apprentice \*RC

#### 2<sup>nd</sup> Dam

Sandy-Valley Escanaba-ET EX-90

#### 3<sup>rd</sup> Dam

Sandy-Valley Apntc Eppie-ET VG-85

#### 4<sup>th</sup> Dam

Sandy-Valley Yoder Evy-ET VG-85



Winstar Windfall 4539-ET EX-90

# Lot 23

# SIEMERS PSTAR WIN 41051-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

# RED CARRIER

Siemers Holsteins  
 14421 Mineral Springs Road  
 Newton, Wisconsin 53063  
 920-693-3600  
 siemers@excel.net

Tested Neg for MW

Born 02/19/2023 Reg: 840003257574151

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1145
Milk	+928	78%R	Cheese Merit \$		+1170
Fat	+104	+0.24%	FMS +987		GMS +1094
Protein	+59	+0.10%	Gestation Len.		MSP
CFP	+163		EFI %	gEFI 11.7%	gIB 14.9%
SCS	2.61	%R	Mastitis +3.5	Fert. Index	+1.1
PL	+7.0	%R	Livability +2.7	Heifer Liv.	+1.0
DPR	+0.0	%R	HCR +4.3	CCR	+3.4
RFI	-157				
Feed Saved	+238	43%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: AB DWPS: 1336

08/2023	GHA TYPE SUMMARY				TPI +3019			
PTAT +0.70	77%R	UDC+0.71	FLC+0.11	BSC -0.06	0 D / 0 H			
				-2	-1	0	1	2
Stature	+0.03	Tall						
Strength	-0.12	Frail						
Body Depth	-0.09	Shallow						
Dairy Form	+0.85	Open Rib						
Rump Angle	+0.48	Sloped						
Thurl Width	-0.29	Narrow						
Rear Legs-Side	-0.47	Posty						
Rear Legs-Rear	-0.35	Hock In						
Foot Angle	+0.38	Steep						
Feet & Legs Score	+0.23	High						
F. Udder Attachment	+0.87	Strong						
Rear Udder Height	+1.13	High						
Rear Udder Width	+1.35	Wide						
Udder Cleft	-0.59	Weak						
Udder Depth	+0.21	Shallow						
Front Teat Placement	+0.45	Close						
Rear Teat Placement	+0.23	Close						
Teat Length	-1.05	Short						

### Sire: Peak Powerstar-ET

3224956499 08/23 PTA +3059 GTPI +1308 M  
 0.16% +97 F +0.08% +65 P +1092 NM\$ +6.5 PL  
 -0.6 DPR 2.63 SCS +1.57 T +1.28 UDC +0.51 FLC  
 Altawheelhouse x Big Al x Reason

### Dam: WINSTAR GAMEDAY 7876-ET

Reg: 3231004300 08/23 PTA +2972 GTPI  
 +868 M +113 F +1004 NM\$  
 +4.1 PL +0.1 DPR +1.23 T +1.64 UDC  
 Sire Stack: Gameday x Windfall x Powerball-P

**2<sup>nd</sup> Dam**  
 Winstar Windfall 4539-ET EX-90  
 02-03 3x 365d 32810m 4.1 1358f 3.3 1094p

**3<sup>rd</sup> Dam**  
 Seagull-Bay Roxy Pp-ET

**4<sup>th</sup> Dam**  
 Md-Valleyvue Nuno Kim-ET RC PO TL TD VG-87  
 02-01 3x 308d 23030m 4.9 1123f 3.3 760p



3<sup>rd</sup> Dam Pine-TRee 7445 Skyw 8177-ET

# Lot 24

# PINE-TREE 9184 BRAV 9835-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 12/20/2022 Reg: 840003254487892

## Worked Once 15 oocytes

## #1 TPI & NET MERIT

## BRAVE DAUGHTER

Pine-Tree Dairy  
8586 Benner Rd  
Marshallville, OH 44645  
Pinetreedairy@gmail.com  
Ethan – 330-466-8916

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1218
Milk	+1132	79%R	Cheese Merit \$		+1239
Fat	+117	+0.25%	FMS +1071	GMS	+1214
Protein	+64	+0.10%	Gestation Len.	MSP	
CFP	+181		EFI %	gEFI 12.8%	gIB 18.9%
SCS	2.78	%R	Mastitis +2.0	Fert. Index	+1.3
PL	+5.9	%R	Livability +1.9	Heifer Liv.	+0.7
DPR	+0.9	%R	HCR +1.2	CCR +2.3	
RFI	-131				
Feed Saved	+266	44%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1286

08/2023	GHA TYPE SUMMARY				TPI +3171
PTAT +1.28	77%R	UDC+2.10	FLC+0.01	BSC -0.23	0 D / 0 H

			-2	-1	0	1	2
Stature	-0.08	Short					
Strength	-0.65	Frail					
Body Depth	-0.59	Shallow					
Dairy Form	+0.98	Open Rib					
Rump Angle	-0.85	High Pins					
Thurl Width	+0.65	Wide					
Rear Legs-Side	+0.59	Sickle					
Rear Legs-Rear	-0.49	Hook In					
Foot Angle	+0.15	Steep					
Feet & Legs Score	+0.14	High					
F. Udder Attachment	+2.41	Strong					
Rear Udder Height	+2.41	High					
Rear Udder Width	+1.99	Wide					
Udder Cleft	+0.76	Strong					
Udder Depth	+1.79	Shallow					
Front Teat Placement	+0.88	Close					
Rear Teat Placement	+1.08	Close					
Teat Length	-0.37	Short					

### Sire: Siemers Brave-ET

3143986627 08/23 PTA +2963 GTPI +2092 M  
0.01% +82 F +0.04% +77 P +1073 NM\$ +4.9 PL  
-0.4 DPR 2.83 SCS +0.68 T +2.05 UDC -0.52 FLC  
Timberlake x TRajjectory x Delta

### Dam: PINE-TREE 8676 OUTC 9184-ET

Reg: 3240345385 08/23 PTA +2999 GTPI  
+213 M +110 F +968 NM\$  
+4.6 PL +1.6 DPR +1.42 T +1.77 UDC  
Sire Stack: Outcome x Heroic x Skywalker

#### 2<sup>nd</sup> Dam

Pine-TRee 8177 Hero 8676-ET

#### 3<sup>rd</sup> Dam

Pine-TRee 7445 Skyw 8177-ET VG-85  
02-01 2x 365d 29000m 5.1 1474f 3.9 1117p

#### 4<sup>th</sup> Dam

Pine-TRee 9839 Burl 7445-ET



2nd Dam Mercedes Lionel Lass-ET

# Lot 25

# T-Spruce Chew 20527-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 02/10/2023 Reg: 840003260817939

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1201
Milk	+1841	78%R	Cheese Merit S		+1216
Fat	+128	+0.19%	FMS +1096		GMS +1133
Protein	+77	+0.07%	Gestation Len.		MSP
CFP	+205		EFI %	gEFI 11.2%	gIB 15.3%
SCS	2.88	%R	Mastitis +1.0	Fert. Index	-0.6
PL	+5.4	%R	Livability +2.8	Heifer Liv.	+0.9
DPR	-1.3	%R	HCR +1.0	CCR	+0.7
RFI	+47				
Feed Saved	+36	43%R		0 Dtrs 0 Herds	% US

Beta: A1A2 Kappa: BE DWP\$: 1386

08/2023	GHA TYPE SUMMARY				TPI +3194
PTAT +1.83	78%R	UDC+1.33	FLC+0.95	BSC+0.47	0 D / 0 H
Stature	+0.47	Tall			
Strength	+0.17	Strong			
Body Depth	+0.43	Deep			
Dairy Form	+2.18	Open Rib			
Rump Angle	-0.90	High Pins			
Thurl Width	+1.23	Wide			
Rear Legs-Side	+0.81	Sickle			
Rear Legs-Rear	+1.22	Straight			
Foot Angle	+0.29	Steep			
Feet & Legs Score	+0.98	High			
F. Udder Attachment	+1.15	Strong			
Rear Udder Height	+2.19	High			
Rear Udder Width	+2.60	Wide			
Udder Cleft	+0.48	Strong			
Udder Depth	+0.20	Shallow			
Front Teat Placement	+0.10	Close			
Rear Teat Placement	+0.32	Close			
Teat Length	+0.72	Long			

## #1 TPI & NET MERIT

## CHEW DAUGHTER

Tested Neg for MW

### Sire: Penn-England Chew-P-ET

3218109859 08/23 PTA +3020 GTPI +1133 M  
 0.18% +97 F +0.07% +55 P +953 NM\$ +4.8 PL  
 +0.6 DPR 2.82 SCS +2.13 T +1.94 UDC +1.01 FLC  
 Extra x Luster-P x Answer PO

### Dam: T-SPRUCE PAYLOAD 16915-ET

Reg: 3235976922 08/23 PTA +3023 GTPI  
 +2377 M +114 F +1092 NM\$  
 +4.0 PL -2.2 DPR +1.13 T +0.79 UDC  
 Sire Stack: Payload x Lionel x Yoder

#### 2nd Dam

Mercedes Lionel Lass-ET

#### 3rd Dam

Endco Yoder L7933 9839-ET VG-86  
 Due back with her 6th calf

#### 4th Dam

T-Spruce Lgold 7933-ET  
 02-05 2x 248d 20320m 4.4 904f 3.4 687p

Arnie Gruenes  
 Twin Spruce Farm  
 17565 Co Rd 43  
 Richmond, MN 56368  
 Cows@meltel.net  
 320-493-9703



T-Spruce Jalapeno 20470-ET

# Lot 26

# T-Spruce Jalapeno 20470-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

## #2 TPI

## JALAPENO DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Born 02/01/2023 Reg: 840003260817882

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1190
Milk	+1044	78%R	Cheese Merit \$		+1213
Fat	+126	+0.30%	FMS +1018		GMS +1218
Protein	+67	+0.12%	Gestation Len.		MSP
CFP	+193		EFI %	gEFI	11.2% gIB 11.0%
SCS	2.85	%R	Mastitis +2.5	Fert. Index	+2.3
PL	+5.1	%R	Livability +0.2	Heifer Liv.	+0.8
DPR	+1.6	%R	HCR +2.2	CCR	+3.4
RFI	-16				
Feed Saved	+195	42%R			0 Dtrs 0 Herds % US

Tested Positive for MW

Beta: A2A2 Kappa: BB DWP\$: 1227

08/2023	GHA TYPE SUMMARY				TPI +3185
PTAT +1.25	77%R	UDC+1.28	FLC+0.49	BSC -0.03	0 D / 0 H
Stature	-0.01	Short			
Strength	-0.34	Frail			
Body Depth	+0.11	Deep			
Dairy Form	+2.16	Open Rib			
Rump Angle	+0.77	Sloped			
Thurl Width	+0.46	Wide			
Rear Legs-Side	+0.58	Sickle			
Rear Legs-Rear	+0.37	Straight			
Foot Angle	+0.05	Steep			
Feet & Legs Score	+0.52	High			
F. Udder Attachment	+1.00	Strong			
Rear Udder Height	+1.09	High			
Rear Udder Width	+2.36	Wide			
Udder Cleft	+0.70	Strong			
Udder Depth	-0.12	Deep			
Front Teat Placement	+1.23	Close			
Rear Teat Placement	+1.56	Close			
Teat Length	-0.35	Short			

### Sire: Progenesis Jalapeno

13807753 08/23 PTA +3037 GTPI +1743 M  
0.17% +117 F +0.07% +75 P +1097 NM\$ +3.9 PL  
-0.7 DPR 2.78 SCS +1.10 T +1.12 UDC -0.58 FLC  
HIGHJUMP x Spectre x Josuper

### Dam: T-SPRUCE CONWAY 15854-ET

Reg: 3220247862 08/23 PTA +3061 GTPI  
+744 M +116 F +1039 NM\$  
+5.0 PL +0.4 DPR +1.40 T +1.04 UDC  
Sire Stack: Conway x Lionel x Samuri  
Fresh Looks Great

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE HLYSMK 20295-ET

# Lot 27

# T-SPRUCE HLYSMK 20295-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 01/07/2023 Reg: 840003260817707

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1124
Milk	+1100	78%R	Cheese Merit S		+1146
Fat	+116	+0.25%	FMS +982	GMS	+1099
Protein	+61	+0.09%	Gestation Len.	MSP	
CFP	+177		EFI %	gEFI 11.3%	gIB 16.9%
SCS	2.67	%R	Mastitis +2.5	Fert. Index	+1.9
PL	+6.1	%R	Livability +1.6	Heifer Liv.	+1.2
DPR	+1.1	%R	HCR +2.2	CCR +2.5	
RFI	-4				
Feed Saved	+17	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1213

08/2023	GHA TYPE SUMMARY				TPI +3155
PTAT +1.33	77%R	UDC+1.29	FLC+1.34	BSC+0.30	0 D / 0 H

			-2	-1	0	1	2
Stature	+0.33	Tall					
Strength	+0.34	Strong					
Body Depth	+0.36	Deep					
Dairy Form	+0.90	Open Rib					
Rump Angle	-0.13	High Pins					
Thurl Width	-0.06	Narrow					
Rear Legs-Side	+0.89	Sickle					
Rear Legs-Rear	+1.35	Straight					
Foot Angle	+0.90	Steep					
Feet & Legs Score	+1.35	High					
F. Udder Attachment	+1.69	Strong					
Rear Udder Height	+1.60	High					
Rear Udder Width	+1.72	Wide					
Udder Cleft	+0.12	Strong					
Udder Depth	+0.78	Shallow					
Front Teat Placement	+0.55	Close					
Rear Teat Placement	+0.89	Close					
Teat Length	-0.23	Short					

### Sire: Cookiecutter Holysmokes-ET

3212874372 08/23 PTA +3115 GTPI +1506 M  
0.16% +106 F +0.08% +71 P +1025 NM\$ +4.6 PL  
-0.8 DPR 2.73 SCS +2.04 T +2.22 UDC +1.20 FLC  
HIGHJUMP x Renegade x Slam dunk

### Dam: T-SPRUCE CONWAY 15854-ET

Reg: 3220247862 08/23 PTA +3061 GTPI  
+744 M +116 F +1039 NM\$  
+5.0 PL +0.4 DPR +1.40 T +1.04 UDC  
Sire Stack: Conway x Lionel x Samuri  
Fresh Looks Great

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE JALAPENO 20135-ET

# Lot 28

# T-SPRUCE JALAPENO 20135-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 12/16/2022 Reg: 840003260817547

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1113
Milk	+435	78%R	Cheese Merit S		+1144
Fat	+131	+0.40%	FMS +899	GMS	+1134
Protein	+57	+0.15%	Gestation Len.	MSP	
CFP	+188		EFI %	gEFI 10.9%	gIB 13.2%
SCS	2.73	%R	Mastitis +2.4	Fert. Index	+2.0
PL	+4.7	%R	Livability -0.9	Heifer Liv.	+0.8
DPR	+1.3	%R	HCR +2.5	CCR +3.1	
RFI	-97				
Feed Saved	+101	42%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWPS: 1231

08/2023	GHA TYPE SUMMARY				TPI +3154
PTAT	+1.69	77%R	UDC+1.42	FLC+0.43	BSC +1.04 0 D / 0 H

			-2	-1	0	1	2
Stature	+1.14	Tall					
Strength	+0.69	Strong					
Body Depth	+1.16	Deep					
Dairy Form	+2.32	Open Rib					
Rump Angle	+1.95	Sloped					
Thurl Width	+1.27	Wide					
Rear Legs-Side	+0.42	Sickle					
Rear Legs-Rear	+0.42	Straight					
Foot Angle	+0.28	Steep					
Feet & Legs Score	+0.74	High					
F. Udder Attachment	+1.34	Strong					
Rear Udder Height	+2.17	High					
Rear Udder Width	+2.97	Wide					
Udder Cleft	+0.78	Strong					
Udder Depth	+0.20	Shallow					
Front Teat Placement	+0.90	Close					
Rear Teat Placement	+1.16	Close					
Teat Length	-0.21	Short					

### Sire: Progenesis Jalapeno

13807753 08/23 PTA +3037 GTPI +1743 M  
0.17% +117 F +0.07% +75 P +1097 NM\$ +3.9 PL  
-0.7 DPR 2.78 SCS +1.10 T +1.12 UDC -0.58 FLC  
HIGHJUMP x Spectre x Josuper

### Dam: T-SPRUCE CONWAY 15854-ET

Reg: 3220247862 08/23 PTA +3061 GTPI  
+744 M +116 F +1039 NM\$  
+5.0 PL +0.4 DPR +1.40 T +1.04 UDC  
Sire Stack: Conway x Lionel x Samuri  
Fresh Looks Great

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



2nd Dam Mercedes Lionel Lass-ET



T-Spruce Enclave 21079-ET

# Lot 29 T-Spruce Enclave 21079-ET

Born 05/15/2023 Reg: 840003265765585

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1122
Milk	+1376	78%R	Cheese Merit \$		+1139
Fat	+139	+0.29%	FMS +988	GMS	+1046
Protein	+69	+0.09%	Gestation Len.	MSP	
CFP	+208		EFI %	gEFI 12.1%	gIB 14.1%
SCS	2.88	%R	Mastitis +0.6	Fert. Index	-1.1
PL	+4.2	%R	Livability +0.1	Heifer Liv.	+0.9
DPR	-2.5	%R	HCR +1.8	CCR	-0.7
RFI	-16				
Feed Saved	+26	43%R		0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 997

08/2023	GHA TYPE SUMMARY				TPI +3177
PTAT +2.16	78%R	UDC+2.11	FLC+0.91	BSC +1.27	0 D / 0 H

			-2	-1	0	1	2
Stature	+1.80	Tall					
Strength	+0.37	Strong					
Body Depth	+0.70	Deep					
Dairy Form	+2.32	Open Rib					
Rump Angle	+0.57	Sloped					
Thurl Width	+1.71	Wide					
Rear Legs-Side	+0.68	Sickle					
Rear Legs-Rear	+1.40	Straight					
Foot Angle	+0.77	Steep					
Feet & Legs Score	+1.22	High					
F. Udder Attachment	+2.52	Strong					
Rear Udder Height	+2.66	High					
Rear Udder Width	+3.09	Wide					
Udder Cleft	+1.65	Strong					
Udder Depth	+1.85	Shallow					
Front Teat Placement	+1.98	Close					
Rear Teat Placement	+2.02	Close					
Teat Length	-0.84	Short					

## #2 TPI ENCLAVE DAUGHTER

Tested Neg Bull/Neg Dam For MW  
Waiting On Her Results

Sire: Wilra Ssi Regal Enclave-ET

3241466104 08/23 PTA +2993 GTPI +994 M  
0.17% +88 F +0.08% +54 P +1020 NM\$ +7.1 PL  
+0.5 DPR 2.61 SCS +1.17 T +1.67 UDC -0.03 FLC  
Regal x Legacy x Spectre

Dam: T-SPRUCE CONWAY 16106-ET

Reg: 3220248114 08/23 PTA +3066 GTPI  
+1544 M +122 F +1064 NM\$  
+3.9 PL -2.2 DPR +1.96 T +2.22 UDC  
Sire Stack: Conway x Lionel x Yoder  
Fresh Looks Great

**2nd Dam**  
Mercedes Lionel Lass-ET  
**3rd Dam**  
Endco Yoder L7933 9839-ET VG-86  
Due back with her 6th calf  
**4th Dam**  
T-Spruce Lgold 7933-ET  
02-05 2x 248d 20320m 4.4 904f 3.4 687p

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703





T-SPRUCE F BITE 19538-ET

# Lot 30

# T-SPRUCE F BITE 19538-ET

## IVF Session

## 16.28 average oocytes

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 10/07/2022 Reg: 840003260816950

08/2023	CDCB SUMMARY GENOMICCOW			NMS +1272
Milk	+2231	79%R	Cheese Merit \$	+1286
Fat	+121	+0.12%	FMS +1177	GMS +1228
Protein	+86	+0.06%	Gestation Len.	MSP
CFP	+207		EFI %	gEFI 12.2% gIB 27.3%
SCS	2.83	%R	Mastitis +1.5	Fert. Index +0.9
PL	+5.8	%R	Livability +0.4	Heifer Liv. +1.1
DPR	-0.8	%R	HCR +3.5	CCR +1.7
RFI	-116			
Feed Saved	+237	44%R	0 Dtrs	0 Herds % US

### Sire: T-Spruce G Frost Bite-ET

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

### Dam: T-SPRUCE ZAREK 15211-ET

Reg: 3219884784 08/23 PTA +2985 GTPI  
+1896 M +102 F +1036 NM\$  
+4.8 PL -1.8 DPR +1.20 T +1.32 UDC  
Sire Stack: Altazarek x Lionel x Samuri

Dam of

T-Spruce Frost bite Lumie-ET @ Select Sires  
T-Spruce Overthetop-ET @ Semex

Beta: A2A2 Kappa: BB DWP\$: 1457

08/2023	GHA TYPE SUMMARY			TPI +3172
PTAT +1.12	78%R	UDC+0.82	FLC-0.21	BSC +0.37 0 D / 0 H
				-2 -1 0 1 2
Stature	+0.78	Tall		
Strength	-0.22	Frail		
Body Depth	+0.11	Deep		
Dairy Form	+1.84	Open Rib		
Rump Angle	+0.91	Sloped		
Thurl Width	+0.23	Wide		
Rear Legs-Side	+1.33	Sickle		
Rear Legs-Rear	-0.78	Hock In		
Foot Angle	-0.44	Low		
Feet & Legs Score	+0.26	High		
F. Udder Attachment	+0.53	Strong		
Rear Udder Height	+1.54	High		
Rear Udder Width	+1.91	Wide		
Udder Cleft	+0.43	Strong		
Udder Depth	-0.01	Deep		
Front Teat Placement	+0.53	Close		
Rear Teat Placement	+0.87	Close		
Teat Length	-0.72	Short		

### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE F BITE 19526-ET

# Lot 31

# T-SPRUCE F BITE 19526-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 10/05/2022 Reg: 840003260816938

08/2023	CDCB SUMMARY GENOMICCOW				NMS\$ +1257
Milk	+2158	79%R	Cheese Merit \$		+1267
Fat	+111	+0.09%	FMS +1186	GMS	+1234
Protein	+79	+0.04%	Gestation Len.	MSP	
CFP	+190		EFI %	gEFI	12.3% gIB 28.0%
SCS	2.87	%R	Mastitis +1.6	Fert. Index	+1.8
PL	+6.4	%R	Livability +1.5	Heifer Liv.	+1.4
DPR	+0.3	%R	HCR +5.4	CCR	+3.0
RFI	-173				
Feed Saved	+273	44%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1377

08/2023	GHA TYPE SUMMARY				TPI +3176
PTAT	+1.23	78%R	UDC+1.39	FLC-0.02	BSC +0.31 0 D / 0 H

			-2	-1	0	1	2
Stature	+0.74	Tall					
Strength	-0.30	Frail					
Body Depth	-0.27	Shallow					
Dairy Form	+1.45	Open Rib					
Rump Angle	+0.06	Sloped					
Thurl Width	+0.52	Wide					
Rear Legs-Side	+0.85	Sickle					
Rear Legs-Rear	-0.53	Hock In					
Foot Angle	-0.23	Low					
Feet & Legs Score	+0.38	High					
F. Udder Attachment	+1.42	Strong					
Rear Udder Height	+2.16	High					
Rear Udder Width	+2.06	Wide					
Udder Cleft	+0.09	Strong					
Udder Depth	+1.16	Shallow					
Front Teat Placement	+0.01	Close					
Rear Teat Placement	+0.32	Close					
Teat Length	-0.46	Short					

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

### Sire: T-Spruce G Frost Bite-ET

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

### Dam: T-SPRUCE ZAREK 15211-ET

Reg: 3219884784 08/23 PTA +2985 GTPI  
+1896 M +102 F +1036 NM\$  
+4.8 PL -1.8 DPR +1.20 T +1.32 UDC  
Sire Stack: Altazarek x Lionel x Samuri  
Dam of  
T-Spruce Frost bite Lumie-ET @ Select Sires  
T-Spruce Overthetop-ET @ Semex

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



# Lot 32 PINE-TREE 56696 MIR 3060-ET

Born 06/09/2023 Reg: 840003267558571

Pine-Tree Dairy  
8586 Benner Rd  
Marshallville, OH 44645  
Pinetreedairy@gmail.com  
Ethan - 330-466-8916

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1174
Milk	+1165	78%R	Cheese Merit \$		+1193
Fat	+139	+0.32%	FMS +1042	GMS	+1169
Protein	+62	+0.09%	Gestation Len.	MSP	
CFP	+201		EFI %	gEFI 11.5%	gIB 12.5%
SCS	2.80	%R	Mastitis +2.0	Fert. Index	+1.1
PL	+4.6	%R	Livability +2.4	Heifer Liv.	+1.1
DPR	+0.3	%R	HCR +1.8	CCR	+2.1
RFI	-6				
Feed Saved	+156	43%R	0 Dtrs	0 Herds	% US

Tested Neg for MW

Beta: A2A2 Kappa: AB DWP\$: 1570

08/2023	GHA TYPE SUMMARY				TPI +3065
PTAT +0.09	75%R	UDC+0.28	FLC-0.26	BSC -0.21	0 D / 0 H
					-2 -1 0 1 2
Stature	-0.19	Short			
Strength	-0.42	Frail			
Body Depth	-0.22	Shallow			
Dairy Form	+1.41	Open Rib			
Rump Angle	+0.43	Sloped			
Thurl Width	+0.25	Wide			
Rear Legs-Side	+0.36	Sickle			
Rear Legs-Rear	-0.61	Hock In			
Foot Angle	-0.48	Low			
Feet & Legs Score	-0.16	Low			
F. Udder Attachment	+0.00	Strong			
Rear Udder Height	+0.35	High			
Rear Udder Width	+1.16	Wide			
Udder Cleft	+0.38	Strong			
Udder Depth	-0.77	Deep			
Front Teat Placement	+1.00	Close			
Rear Teat Placement	+0.93	Close			
Teat Length	-1.11	Short			

### Sire: Pine-Tree Mirrorimage-ET

3231545377 08/23 PTA +3156 GTPI +1367 M  
0.34% +152 F +0.09% +69 P +1186 NM\$ +3.4 PL  
-1.2 DPR 2.83 SCS +1.07 T +1.47 UDC -0.14 FLC  
Outcome x Lionel x Achiever

### Dam: NO-FLA ENVY CARMEN 56696-ET

Reg: 3220169459 08/23 PTA +2880 GTPI  
+1675 M +109 F +1104 NM\$  
+5.3 PL -0.3 DPR -0.48 T -0.30 UDC  
Sire Stack: Envoy x Medley x Rowdy

**2<sup>nd</sup> Dam**  
No-Fla Medley Melora 51644  
02-00 3x 297d 24080m 4.0 974f 3.4 829p



2<sup>nd</sup> Dam Pine-Tree Era Achie

# Lot 33 PINE-TREE 8439 DAZ 818-P-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

# POLLED

Joe and Kenny Ramsier  
Ramsier's Willow Spring Farm  
2477 Eastern Rd  
Rittman, OH 44270  
ramsier.12@osu.edu  
234-956-4100

Tested Neg for MW

Born 10/06/2022 Reg: 840003247330156

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1075
Milk	+872	79%R	Cheese Merit \$		+1095
Fat	+121	+0.30%	FMS +950		GMS +1037
Protein	+51	+0.08%	Gestation Len.		MSP
CFP	+172		EFI %	gEFI 10.9%	gIB 12.8%
SCS	2.70	%R	Mastitis +1.5		Fert. Index -0.2
PL	+5.1	%R	Livability +1.8		Heifer Liv. +1.0
DPR	-0.5	%R	HCR +0.2		CCR +0.8
RFI	-88				
Feed Saved	+223	43%R			0 Dtrs 0 Herds % US

Beta: A2A2 Kappa: BB DWPS: 1137

08/2023	GHA TYPE SUMMARY				TPI +3009
PTAT +1.29	78%R	UDC+1.20	FLC+0.64	BSC +0.25	0 D / 0 H
					-2 -1 0 1 2
Stature	+0.36	Tail			
Strength	-0.11	Frail			
Body Depth	+0.24	Deep			
Dairy Form	+2.15	Open Rib			
Rump Angle	+0.24	Sloped			
Thurl Width	+0.61	Wide			
Rear Legs-Side	+0.27	Sickle			
Rear Legs-Rear	+0.62	Straight			
Foot Angle	+0.00	Steep			
Feet & Legs Score	+0.74	High			
F. Udder Attachment	+0.91	Strong			
Rear Udder Height	+1.94	High			
Rear Udder Width	+2.25	Wide			
Udder Cleft	+0.43	Strong			
Udder Depth	-0.04	Deep			
Front Teat Placement	+0.82	Close			
Rear Teat Placement	+0.80	Close			
Teat Length	-0.25	Short			

### Sire: Winstar Zazzle 3171-ET

3214292636 08/23 PTA +2934 GTPI +602 M  
0.28% +103 F +0.09% +44 P +995 NM\$ +5.4 PL  
-1.0 DPR 2.64 SCS +1.57 T +1.74 UDC +0.74 FLC  
Altazazzle x Hughes x Rubicon

### Dam: PINE-TREE 7593 LUS 8439-ET

Reg: 3150675511 08/23 PTA +2838 GTPI  
+1606 M +111 F +951 NM\$  
+3.7 PL -2.4 DPR +1.17 T +0.85 UDC  
Sire Stack: Luster-P x Achiever x Morgan

**2<sup>nd</sup> Dam**  
Pine-Tree Era Achie 7593-ET  
**3<sup>rd</sup> Dam**  
Sandy-Valley Morgan Era-ET  
02-02 2x 365d 34790m 4.2 1450f 3.4 1192p  
**4<sup>th</sup> Dam**  
Sandy-Valley Rbs Emerald-ET VG-88  
03-11 2x 348d 42010m 4.2 1771f 3.1 1316p



T-Spruce Wargear 20591-ET

# Lot 34

# T-Spruce Wargear 20591-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@melte.net  
320-493-9703

Tested Positive for MW

Born 02/20/2023 Reg: 840003260818003

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1180
Milk	+1529	78%R	Cheese Merit S		+1192
Fat	+121	+0.21%	FMS +1118		GMS +1143
Protein	+57	+0.03%	Gestation Len.		MSP
CFP	+178		EFI %	gEFI 11.8%	gIB 13.4%
SCS	2.69	%R	Mastitis +3.6		Fert. Index +1.5
PL	+6.9	%R	Livability +1.9		Heifer Liv. +1.2
DPR	+0.7	%R	HCR +2.7		CCR +2.9
RFI	-2				

Feed Saved +103 43%R 0 Dtrs 0 Herds % US  
Beta: A2A2 Kappa: AB DWPS: 1253

08/2023	GHA TYPE SUMMARY				TPI +3172
PTAT +1.57	77%R	UDC+1.54	FLC+0.81	BSC -0.01	0 D / 0 H

			-2	-1	0	1	2
Stature	-0.04	Short					
Strength	-0.10	Frail					
Body Depth	+0.03	Deep					
Dairy Form	+1.37	Open Rib					
Rump Angle	+0.58	Sloped					
Thurl Width	+0.33	Wide					
Rear Legs-Side	-0.10	Posty					
Rear Legs-Rear	+0.61	Straight					
Foot Angle	+0.52	Steep					
Feet & Legs Score	+0.79	High					
F. Udder Attachment	+1.66	Strong					
Rear Udder Height	+2.03	High					
Rear Udder Width	+2.13	Wide					
Udder Cleft	+0.50	Strong					
Udder Depth	+0.44	Shallow					
Front Teat Placement	+1.87	Close					
Rear Teat Placement	+1.81	Close					
Teat Length	-0.92	Short					

### Sire: Wilra S-S-I Gd War Gear-ET

3231304760 08/23 PTA +3141 GTPI +1350 M  
0.23% +119 F +0.05% +58 P +1156 NM\$ +6.5 PL  
+0.4 DPR 2.65 SCS +1.37 T +1.72 UDC +0.35 FLC  
Gameday x Lionel x Achiever

### Dam: T-SPRUCE TORRO 16418-ET

Reg: 3235976425 08/23 PTA +2973 GTPI  
+1513 M +93 F +968 NM\$  
+5.6 PL +0.7 DPR +1.44 T +1.44 UDC  
Sire Stack: Torro x Renegade x Frazzled

#### 2<sup>nd</sup> Dam

T-Spruce Renegade 13146-ET GP - 82  
Lact 2 228d 4.1% 981F 3.1% 743 P

#### 3<sup>rd</sup> Dam

T-Spruce Frazzled 10663-ET

#### 4<sup>th</sup> Dam

Peak Menna Ahead 851-ET VG-86



T-Spruce Sheepster 21162-ET

# Lot 35 T-Spruce Sheepster 21162-ET

Born 05/28/2023 Reg: 840003265765668

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@metel.net  
320-493-9703

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1201
Milk	+1236	78%R	Cheese Merit S		+1223
Fat	+132	+0.29%	FMS +1033	GMS	+1148
Protein	+72	+0.11%	Gestation Len.	MSP	
CFP	+204		EFI %	gEFI 12.4%	gIB 16.4%
SCS	2.86	%R	Mastitis +1.3	Fert. Index	-0.1
PL	+5.6	%R	Livability +1.9	Heifer Liv.	+1.0
DPR	-0.8	%R	HCR +1.5	CCR +1.3	
RFI	-64				
Feed Saved	+104	44%R	0 Dtrs	0 Herds	% US

Beta: A1A2 Kappa: AB DWP\$: 1272

08/2023	GHA TYPE SUMMARY				TPI +3165
PTAT +1.47	77%R	UDC+1.54	FLC+0.39	BSC +0.73	0 D / 0 H
Stature	+1.21	Tall			
Strength	+0.08	Strong			
Body Depth	+0.24	Deep			
Dairy Form	+1.57	Open Rib			
Rump Angle	-0.36	High Pins			
Thurl Width	+0.68	Wide			
Rear Legs-Side	+0.16	Sickle			
Rear Legs-Rear	+0.51	Straight			
Foot Angle	+0.67	Steep			
Feet & Legs Score	+0.64	High			
F. Udder Attachment	+1.95	Strong			
Rear Udder Height	+1.89	High			
Rear Udder Width	+2.01	Wide			
Udder Cleft	+0.96	Strong			
Udder Depth	+1.80	Shallow			
Front Teat Placement	+0.90	Close			
Rear Teat Placement	+1.29	Close			
Teat Length	-1.27	Short			

Tested Neg Bull/Neg Dam For MW

Waiting On Her Results

## Sire: Ocd Trooper Sheepster-ET

3236792832 08/23 PTA +3181 GTPI +1359 M  
0.26% +128 F +0.11% +74 P +1212 NM\$ +6.3 PL  
-0.4 DPR 2.91 SCS +1.28 T +1.06 UDC +0.80 FLC  
Trooper x Acura x Resolve

## Dam: T-SPRUCE MONSHINER 15734-ET

Reg: 3220247742 08/23 PTA +2970 GTPI  
+1504 M +101 F +1031 NM\$  
+5.0 PL -0.2 DPR +1.10 T +1.13 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p



T-SPRUCE LIONEL 13196-ET

# Lot 36 T-SPRUCE SOYSAUCE 20370-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 01/18/2022 Reg: 840003260817782

## #5 NET MERIT

## SOYSAUCE DAUGHTER

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW			NMS +1181
Milk	+1476	79%R	Cheese Merit \$	+1199
Fat	+109	+0.18%	FMS +1056	GMS +1160
Protein	+70	+0.08%	Gestation Len.	MSP
CFP	+179		EFI %	gEFI 12.3% gIB 13.0%
SCS	2.84	%R	Mastitis +0.5	Fert. Index +1.5
PL	+6.2	%R	Livability +2.1	Heifer Liv. +0.9
DPR	+0.8	%R	HCR +1.8	CCR +2.3
RFI	-124			
Feed Saved	+224	44%R	0 Dtrs 0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1031

08/2023	GHA TYPE SUMMARY			TPI +3113
PTAT +1.22	78%R	UDC+1.42	FLC+0.12	BSC +0.22 0 D / 0 H
				-2 -1 0 1 2
Stature	+0.65	Tail		
Strength	-0.34	Frail		
Body Depth	-0.20	Shallow		
Dairy Form	+1.18	Open Rib		
Rump Angle	+0.12	Sloped		
Thurl Width	+0.07	Wide		
Rear Legs-Side	+0.69	Sickle		
Rear Legs-Rear	+0.24	Straight		
Foot Angle	-0.09	Low		
Feet & Legs Score	+0.30	High		
F. Udder Attachment	+1.75	Strong		
Rear Udder Height	+1.71	High		
Rear Udder Width	+1.66	Wide		
Udder Cleft	+0.87	Strong		
Udder Depth	+1.23	Shallow		
Front Teat Placement	+1.12	Close		
Rear Teat Placement	+1.26	Close		
Teat Length	-0.79	Short		

### Sire: OCD PERFECT SOYSAUCE-ET

3221358221 08/23 PTA +3029 GTPI +1398 M  
0.12% +88 F +0.07% +64 P +997 NM\$ +6.3 PL  
+0.6 DPR 2.84 SCS +1.86 T +1.85 UDC +0.74 FLC  
Perfect x Legacy x Resolve

### Dam: T-SPRUCE MONSHINER 15734-ET

Reg: 3220247742 08/23 PTA +2970 GTP  
+1504 M +101 F +1031 NM\$  
+5.0 PL -0.2 DPR +1.10 T +1.13 UDC  
Sire Stack: Moonshiner x Lionel x Samuri

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
02-00 3x 354d 30670m 3.7 1149f 3.2 991p

# Lot 37 T-SPRUCE BEETHOVEN 19177-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 07/29/2022 Reg: 840003251844347

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1143
Milk	+941	79%R	Cheese Merit \$		+1174
Fat	+127	+0.31%	FMS +940	GMS	+1060
Protein	+69	+0.14%	Gestation Len.	MSP	
CFP	+196		EFI %	gEFI 11.8%	gIB 18.8%
SCS	2.61	%R	Mastitis +3.3	Fert. Index	-0.5
PL	+6.1	%R	Livability +1.4	Heifer Liv.	+1.2
DPR	-1.0	%R	HCR -0.3	CCR	+0.6
RFI	+113				
Feed Saved	-99	44%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWPS: 1418

08/2023	GHA TYPE SUMMARY				TPI +3160	
PTAT	+1.45	78%R	UDC+1.72	FLC+0.40	BSC +0.16	0 D / 0 H

			-2	-1	0	1	2
Stature	-0.05	Short					
Strength	+0.22	Strong					
Body Depth	+0.03	Deep					
Dairy Form	+0.97	Open Rib					
Rump Angle	-0.83	High Pins					
Thurl Width	+1.28	Wide					
Rear Legs-Side	-0.41	Posty					
Rear Legs-Rear	+0.23	Straight					
Foot Angle	+0.14	Steep					
Feet & Legs Score	+0.42	High					
F. Udder Attachment	+1.41	Strong					
Rear Udder Height	+2.13	High					
Rear Udder Width	+2.78	Wide					
Udder Cleft	+1.27	Strong					
Udder Depth	+0.34	Shallow					
Front Teat Placement	+0.95	Close					
Rear Teat Placement	+1.35	Close					
Teat Length	-0.38	Short					

## #1 TPI

## BEETHOVEN DAUGHTER

## 13 Average Oocyst

Tested Neg for MW

### Sire: T-Spruce S-S-I Beethoven-ET

3223871576 08/23 PTA +2984 GTPI +1321 M  
0.18% +103 F +0.07% +62 P +1010 NM\$ +6.0 PL  
-0.4 DPR 2.72 SCS +1.09 T +1.33 UDC +0.20 FLC  
Taos x Legacy x Delta-Worth

### Dam: T-SPRUCE EINSTEIN 14632-ET

Reg: 3216672467 08/23 PTA +2994 GTPI  
+1124 M +104 F +965 NM\$  
+5.6 PL -0.6 DPR +1.31 T +1.80 UDC  
Sire Stack: Einstein x Nugent x Frazzled  
Lact 1 255d 4.2% 944 F 3.2% 734P

#### 2<sup>nd</sup> Dam

T-Spruce Nugent 12660-ET VG - 86

#### 3<sup>rd</sup> Dam

T-Spruce Frazzled 10687-ET

#### 4<sup>th</sup> Dam

Ms Jack Mon 32328-ET

Arnie Gruenes  
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17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703





T-Spruce VanGogh 21186-ET

# Lot 38

# T-Spruce VanGogh 21186-ET

Born 06/01/2023 Reg: 840003265765692

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1202
Milk	+1693	78%R	Cheese Merit \$		+1219
Fat	+128	+0.21%	FMS +1097	GMS	+1123
Protein	+71	+0.06%	Gestation Len.	MSP	
CFP	+199		EFI %	gEFI 12.1%	gIB 22.1%
SCS	2.69	%R	Mastitis +2.1	Fert. Index	-0.5
PL	+5.9	%R	Livability +2.0	Heifer Liv.	+1.0
DPR	-1.3	%R	HCR +0.6	CCR	-0.2
RFI	-98				
Feed Saved	+126	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1445

08/2023	GHA TYPE SUMMARY				TPI +3145
PTAT +1.48	77%R	UDC+1.35	FLC+0.32	BSC +0.76	0 D / 0 H
					-2 -1 0 1 2
Stature	+0.87	Tall			
Strength	+0.48	Strong			
Body Depth	+0.76	Deep			
Dairy Form	+2.03	Open Rib			
Rump Angle	-0.05	High Pins			
Thurl Width	+0.95	Wide			
Rear Legs-Side	-0.41	Posty			
Rear Legs-Rear	+0.36	Straight			
Foot Angle	+0.49	Steep			
Feet & Legs Score	+0.52	High			
F. Udder Attachment	+1.08	Strong			
Rear Udder Height	+2.31	High			
Rear Udder Width	+2.68	Wide			
Udder Cleft	+0.67	Strong			
Udder Depth	+0.05	Shallow			
Front Teat Placement	+0.74	Close			
Rear Teat Placement	+0.70	Close			
Teat Length	-0.03	Short			

## #5 TPI

# VAN GOGH DAUGHTER

Tested Neg Bull/Neg  
Dam For MW  
Waiting On Her Results

### Sire: LEVEL-PLAIN TDG VAN GOGH-ET

3208694569 08/23 PTA +2997 GTPI +1369 M  
0.05% +122 F +0.24% +57 P +1136 NM\$ +6.5 PL  
-1.0 DPR 2.60 SCS +0.43 T +0.56 UDC -0.26 FLC  
Top Dog x Acura x Achiever

### Dam: T-SPRUCE UPSIDE 17580-ET

Reg: 3243331834 08/23 PTA +3085 GTPI  
+2038 M +115 F +1063 NM\$  
+4.6 PL -0.9 DPR +1.69 T +1.40 UDC  
Sire Stack: Upside x Lionel x Yoder

#### 2<sup>nd</sup> Dam

Mercedes Lionel Lass-ET

#### 3<sup>rd</sup> Dam

Endco Yoder L7933 9839-ET VG-86

Due back with her 6<sup>th</sup> calf

#### 4<sup>th</sup> Dam

T-Spruce Lgold 7933-ET

02-05 2x 248d 20320m 4.4 904f 3.4 687p

Arnie Gruenes  
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Richmond, MN 56368  
Cows@meltel.net  
320-493-9703



T-Spruce Chew 20306-ET

# Lot 39

# T-Spruce Chew 20306-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 01/09/2023 Reg: 840003260817718

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1079
Milk	+1565	78%R	Cheese Merit \$		+1092
Fat	+106	+0.16%	FMS +974	GMS	+1047
Protein	+69	+0.07%	Gestation Len.	MSP	
CFP	+175		EFI %	gEFI 11.4%	gIB 15.5%
SCS	2.94	%R	Mastitis -0.1	Fert. Index	-0.1
PL	+4.9	%R	Livability +1.8	Heifer Liv.	+0.6
DPR	-0.5	%R	HCR +1.1	CCR +1.9	
RFI	-32				
Feed Saved	+100	42%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: BB DWP\$: 1071

08/2023	GHA TYPE SUMMARY				TPI +3139
PTAT +2.35	77%R	UDC+2.40	FLC+1.26	BSC +0.66	0 D / 0 H

			-2	-1	0	1	2
Stature	+0.81	Tall					
Strength	+0.05	Strong					
Body Depth	+0.28	Deep					
Dairy Form	+2.22	Open Rib					
Rump Angle	-0.52	High Pins					
Thurl Width	+2.05	Wide					
Rear Legs-Side	+0.75	Sickle					
Rear Legs-Rear	+1.75	Straight					
Foot Angle	+0.28	Steep					
Feet & Legs Score	+1.31	High					
F. Udder Attachment	+2.24	Strong					
Rear Udder Height	+3.52	High					
Rear Udder Width	+3.73	Wide					
Udder Cleft	+1.13	Strong					
Udder Depth	+1.18	Shallow					
Front Teat Placement	+0.57	Close					
Rear Teat Placement	+0.81	Close					
Teat Length	+0.65	Long					

## #3 TPI

## CHEW DAUGHTER

Tested Neg for MW

### Sire: Penn-England Chew-P-ET

3218109859 08/23 PTA +3020 GTPI +1133 M  
 0.18% +97 F +0.07% +55 P +953 NM\$ +4.8 PL  
 +0.6 DPR 2.82 SCS +2.13 T +1.94 UDC +1.01 FLC  
 Extra x Luster-P x Answer PO

### Dam: T-SPRUCE PERFECT 16760-ET

Reg: 3235976767 08/23 PTA +3056 GTPI  
 +1535 M +106 F +1001 NM\$  
 +4.2 PL -1.6 DPR +2.08 T +2.23 UDC  
 Sire Stack: Perfect x Lionel x Yoder

**2nd Dam**  
 Mercedes Lionel Lass-ET  
**3rd Dam**  
 Endco Yoder L7933 9839-ET VG-86  
 Due back with her 6th calf  
**4th Dam**  
 T-Spruce Lgold 7933-ET  
 02-05 2x 248d 20320m 4.4 904f 3.4 687p

Arnie Gruenes  
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 17565 Co Rd 43  
 Richmond, MN 56368  
 Cows@meltel.net  
 320-493-9703



T-SPRUCE Figaro 19963-ET

# Lot 40

# T-SPRUCE Figaro 19963-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Born 11/24/2022 Reg: 840003260817375

08/2023	CDCB SUMMARY GENOMICCOW				NMS\$ +1205
Milk	+1235	78%R	Cheese Merit \$		+1224
Fat	+129	+0.28%	FMS +1057	GMS	+1170
Protein	+68	+0.10%	Gestation Len.	MSP	
CFP	+197		EFI %	gEFI 12.0%	gIB 18.3%
SCS	2.89	%R	Mastitis +1.6	Fert. Index	+0.5
PL	+5.6	%R	Livability +1.7	Heifer Liv.	+0.8
DPR	-0.1	%R	HCR +1.6	CCR	+1.0
RFI	-106				
Feed Saved	+180	43%R		0 Dtrs	0 Herds % US

Beta: A1A2 Kappa: AB DWPS: 1299

08/2023	GHA TYPE SUMMARY					TPI +3151
PTAT +1.06	77%R	UDC+1.45	FLC+0.89	BSC -0.31	0 D / 0 H	

			-2	-1	0	1	2
Stature	-0.39	Short					
Strength	-0.16	Frail					
Body Depth	-0.48	Shallow					
Dairy Form	+0.52	Open Rib					
Rump Angle	-1.12	High Pins					
Thurl Width	+0.01	Wide					
Rear Legs-Side	-0.47	Posty					
Rear Legs-Rear	+0.99	Straight					
Foot Angle	+0.33	Steep					
Feet & Legs Score	+0.71	High					
F. Udder Attachment	+1.32	Strong					
Rear Udder Height	+2.20	High					
Rear Udder Width	+2.25	Wide					
Udder Cleft	-0.11	Weak					
Udder Depth	+0.27	Shallow					
Front Teat Placement	-0.19	Wide					
Rear Teat Placement	-0.14	Wide					
Teat Length	-0.12	Short					

## #1 NET MERIT

## FIGARO DAUGHTER

## 25 average oocytes

### Sire: Ocd Perfect Figaro-ET

3223868608 08/23 PTA +3066 GTPI +1028 M  
 0.19% +95 F +0.06% +50 P +974 NM\$ +5.6 PL  
 +0.5 DPR 2.81 SCS +2.34 T +2.52 UDC +1.53 FLC  
 Perfect x Coffee x Burley

### Dam: T-SPRUCE CRUSHER 16712-ET

Reg: 3235976719 08/23 PTA +3068 GTPI  
 +1223 M +132 F +1135 NM\$  
 +4.7 PL -1.4 DPR +1.06 T +0.81 UDC  
 Sire Stack: Crusher x Lionel x Samuri

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
 LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET  
 02-00 3x 354d 30670m 3.7 1149f 3.2 991p

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Tested Neg for MW



T-SPRUCE Frostbite 19753-ET

# Lot 41

# T-SPRUCE Frostbite 19753-ET

## 22 average oocytes

Born 11/02/2022 Reg: 840003260817165

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1222
Milk	+1625	79%R	Cheese Merit \$		+1243
Fat	+105	+0.14%	FMS +1090	GMS	+1203
Protein	+75	+0.08%	Gestation Len.	MSP	
CFP	+180		EFI %	gEFI 11.9% gIB 23.0%	
SCS	2.71	%R	Mastitis +1.7	Fert. Index +1.5	
PL	+6.2	%R	Livability +2.3	Heifer Liv. +1.2	
DPR	+0.5	%R	HCR +3.6	CCR +2.8	
RFI	-218				
Feed Saved	+310	43%R	0 Dtrs	0 Herds	% US

Beta: A2A2 Kappa: AB DWP\$: 1325

08/2023	GHA TYPE SUMMARY				TPI +3111		
PTAT +0.65 77%R UDC+0.95 FLC+0.20 BSC -0.41 0 D / 0 H							
			-2	-1	0	1	2
Stature	-0.45	Short					
Strength	-0.39	Frail					
Body Depth	-0.75	Shallow					
Dairy Form	+0.42	Open Rib					
Rump Angle	-0.23	High Pins					
Thurl Width	+0.21	Wide					
Rear Legs-Side	+0.16	Sickle					
Rear Legs-Rear	-0.23	Hock In					
Foot Angle	-0.25	Low					
Feet & Legs Score	+0.21	High					
F. Udder Attachment	+0.84	Strong					
Rear Udder Height	+1.49	High					
Rear Udder Width	+1.46	Wide					
Udder Cleft	-0.62	Weak					
Udder Depth	+0.39	Shallow					
Front Teat Placement	-0.53	Wide					
Rear Teat Placement	-0.37	Wide					
Teat Length	-0.26	Short					

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320-493-9703

Tested Neg for MW

### Sire: T-Spruce G Frost Bite-ET

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

### Dam: T-SPRUCE GAMEDAY 16518-ET

Reg: 3235976525 08/23 PTA +3043 GTPI  
+1343 M +107 F +1105 NM\$  
+5.1 PL -0.2 DPR +1.23 T +1.07 UDC  
Sire Stack: Gameday x Lionel x Samuri

#### 2<sup>nd</sup> Dam

T-Spruce Lionel 13196-ET GP - 83  
LACT 1 294d 28050M 4.1% 1170F 3.3% 933P

#### 3<sup>rd</sup> Dam

T-Spruce Samuri 6347-ET

#### 4<sup>th</sup> Dam

Mercedes Ts 9539-ET

02-00 3x 354d 30670m 3.7 1149f 3.2 991p



2nd Dam Mercedes Lionel Lass-ET



T-SPRUCE Frostbite 20011-ET

# Lot 42 T-SPRUCE Frostbite 20011-ET

Born 12/02/2022 Reg: 840003260817423

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1228
Milk	+1363	79%R	Cheese Merit S		+1243
Fat	+124	+0.24%	FMS +1115	GMS	+1221
Protein	+64	+0.07%	Gestation Len.	MSP	
CFP	+188		EFI %	gEFI 12.0%	gIB 22.5%
SCS	2.87	%R	Mastitis +0.8	Fert. Index	+1.1
PL	+5.4	%R	Livability +0.9	Heifer Liv.	+1.2
DPR	-0.1	%R	HCR +4.1	CCR	+2.7
RFI	-199				
Feed Saved	+416	44%R	0 Dtrs	0 Herds	% US

**Sire: T-Spruce G Frost Bite-ET**

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

Beta: A2A2 Kappa: BB DWP\$: 1280

08/2023	GHA TYPE SUMMARY				TPI +3066
PTAT +0.40	77%R	UDC+1.26	FLC-0.32	BSC -1.11	0 D / 0 H
					-2 -1 0 1 2
Stature	-1.45	Short			
Strength	-0.97	Frail			
Body Depth	-0.98	Shallow			
Dairy Form	+0.70	Open Rib			
Rump Angle	-0.62	High Pins			
Thurl Width	+0.08	Wide			
Rear Legs-Side	+0.22	Sickle			
Rear Legs-Rear	-1.17	Hock In			
Foot Angle	-0.63	Low			
Feet & Legs Score	-0.43	Low			
F. Udder Attachment	+1.22	Strong			
Rear Udder Height	+1.50	High			
Rear Udder Width	+1.43	Wide			
Udder Cleft	-0.17	Weak			
Udder Depth	+0.07	Shallow			
Front Teat Placement	+0.18	Close			
Rear Teat Placement	+0.41	Close			
Teat Length	-0.83	Short			

**Dam: T-SPRUCE TORRO 16389-ET**

Reg: 3235976396 08/23 PTA +2997 GTPI  
+2025 M +132 F +1078 NM\$  
+3.3 PL -3.2 DPR +1.22 T +1.52 UDC  
Sire Stack: Torro x Lionel x Yoder

**2nd Dam**  
Mercedes Lionel Lass-ET  
**3rd Dam**  
Endco Yoder L7933 9839-ET VG-86  
Due back with her 6th calf  
**4th Dam**  
T-Spruce Lgold 7933-ET  
02-05 2x 248d 20320m 4.4 904f 3.4 687p



T-SPRUCE Frostbite 20002-ET

# Lot 43

# T-SPRUCE Frostbite 20002-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

Arnie Gruenes  
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17565 Co Rd 43  
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Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 12/01/2022 Reg: 840003260817414

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1278
Milk	+1714	78%R	Cheese Merit S		+1300
Fat	+99	+0.11%	FMS +1151		GMS +1231
Protein	+76	+0.08%	Gestation Len.		MSP
CFP	+175		EFI %	gEFI 11.2%	gIB 14.8%
SCS	2.60	%R	Mastitis +2.2		Fert. Index +1.9
PL	+7.7	%R	Livability +2.7		Heifer Liv. +1.6
DPR	+0.7	%R	HCR +3.4		CCR +2.4
RFI	-142				
Feed Saved	+290	43%R			0 Dtrs 0 Herds % US

Beta: A1A2 Kappa: BB DWP\$: 1280

08/2023	GHA TYPE SUMMARY				TPI +3116
PTAT +0.10	77%R	UDC+0.89	FLC-0.03	BSC-1.23	0 D / 0 H
					-2 -1 0 1 2
Stature	-1.52	Short			
Strength	-0.81	Frail			
Body Depth	-1.26	Shallow			
Dairy Form	-0.39	Tight			
Rump Angle	+0.00	Sloped			
Thurl Width	-0.75	Narrow			
Rear Legs-Side	-0.37	Posty			
Rear Legs-Rear	-0.41	Hock In			
Foot Angle	-0.46	Low			
Feet & Legs Score	-0.31	Low			
F. Udder Attachment	+0.82	Strong			
Rear Udder Height	+1.35	High			
Rear Udder Width	+0.98	Wide			
Udder Cleft	-0.87	Weak			
Udder Depth	-0.12	Deep			
Front Teat Placement	-0.79	Wide			
Rear Teat Placement	-0.64	Wide			
Teat Length	-0.22	Short			

### Sire: T-Spruce G Frost Bite-ET

3220234128 08/23 PTA +3087 GTPI +1821 M  
0.13% +110 F +0.13% +72 P +1257 NM\$ +6.1 PL  
+0.7 DPR 2.77 SCS +0.19 T +0.75 UDC -0.42 FLC  
Granada x Lionel x Samuri

### Dam: T-SPRUCE TRIBUTE 16632-ET

Reg: 3235976639 08/23 PTA +2970 GTPI  
+966 M +63 F +982 NM\$  
+7.9 PL +2.4 DPR +1.06 T +1.62 UDC  
Sire Stack: TRIBUTE x Renegade x Frazzled

**2<sup>nd</sup> Dam**  
T-Spruce Renegade 13146-ET GP - 82  
Lact 2 228d 4.1% 981F 3.1% 743 P  
**3<sup>rd</sup> Dam**  
T-Spruce Frazzled 10663-ET  
**4<sup>th</sup> Dam**  
Peak Menna Ahead 851-ET VG-86



2nd Dam Mercedes Lionel Lass-ET

# Lot 44 T-SPRUCE HOLYSMOKE 19408-ET

## IVF Session

\*Buyer is purchasing rights to control the next IVF session(s) until a minimum of 8 #1 or #2 IVF embryos are produced. Embryo grades are determined at the time of transfer if fresh embryos or at time of freezing if freezing is requested by buyer. Buyer keeps all resulting embryos from these controlled IVF sessions. Buyer is responsible for all costs of the aspiration and mating sire decisions.

## 12.25 average oocytes

Arnie Gruenes  
Twin Spruce Farm  
17565 Co Rd 43  
Richmond, MN 56368  
Cows@meltel.net  
320-493-9703

Tested Neg for MW

Born 09/12/2022 Reg: 840003260816820

08/2023	CDCB SUMMARY GENOMICCOW				NM\$ +1089
Milk	+1501	78%R	Cheese Merit \$		+1108
Fat	+112	+0.18%	FMS +980		GMS +1018
Protein	+66	+0.07%	Gestation Len.		MSP
CFP	+178		EFI %	gEFI 11.5%	gIB 14.9%
SCS	2.65	%R	Mastitis +3.2		Fert. Index -0.7
PL	+5.5	%R	Livability +0.4		Heifer Liv. +0.8
DPR	-1.3	%R	HCR +0.5		CCR +0.0
RFI	-46				
Feed Saved	+61	43%R		0 Dtrs	0 Herds % US

Beta: A1A2 Kappa: AB DWP\$: 1141

08/2023	GHA TYPE SUMMARY				TPI +3133			
PTAT +2.09	77%R	UDC+2.35	FLC+1.00	BSC +0.71	0 D / 0 H			
				-2	-1	0	1	2
Stature	+0.98	Tall						
Strength	+0.44	Strong						
Body Depth	+0.38	Deep						
Dairy Form	+1.62	Open Rib						
Rump Angle	-0.01	High Pins						
Thurl Width	+0.56	Wide						
Rear Legs-Side	-0.47	Posty						
Rear Legs-Rear	+1.09	Straight						
Foot Angle	+1.40	Steep						
Feet & Legs Score	+1.13	High						
F. Udder Attachment	+2.46	Strong						
Rear Udder Height	+3.49	High						
Rear Udder Width	+3.61	Wide						
Udder Cleft	+0.44	Strong						
Udder Depth	+1.30	Shallow						
Front Teat Placement	+0.72	Close						
Rear Teat Placement	+0.59	Close						
Teat Length	-0.20	Short						

### Sire: Cookiecutter Holysmokes-ET

3212874372 08/23 PTA +3115 GTPI +1506 M  
0.16% +106 F +0.08% +71 P +1025 NM\$ +4.6 PL  
-0.8 DPR 2.73 SCS +2.04 T +2.22 UDC +1.20 FLC  
HIGHJUMP x Renegade x Slamdunk

### Dam: T-SPRUCE TOP DOG 15944-ET

Reg: 3220247952 08/23 PTA +2900 GTPI  
+1692 M +124 F +916 NM\$  
+3.1 PL -3.7 DPR +1.21 T +0.98 UDC  
Sire Stack: Top Dog x Lionel x Yoder

#### 2nd Dam

Mercedes Lionel Lass-ET

#### 3rd Dam

Endco Yoder L7933 9839-ET VG-86

Due back with her 6th calf

#### 4th Dam

T-Spruce Lgold 7933-ET

02-05 2x 248d 20320m 4.4 904f 3.4 687p

# Lot 45

# 8 Female Embryos

## Dam: PINE-TREE 688 BRAVE 9884-ET

### Sire Stack: Brave x Highflier x Pursuit

Born 01/24/2023 Reg: 840003254487941

Pine-Tree Dairy  
8586 Benner Rd  
Marshallville, OH 44645  
Pinetreedairy@gmail.com  
Ethan – 330-466-8916

08/2023	CDCB SUMMARY GENOMICCOW				NMS +1019
Milk	+1633	79%R	Cheese Merit \$		+1031
Fat	+83	+0.07%	FMS\$ +931		GMS\$ +991
Protein	+67	+0.05%	Gestation Len.		MSP
CFP	+150		EFI %	gEFI 12.4%	gIB 17.6%
SCS	2.89	%R	Mastitis +1.0		Fert. Index +1.1
PL	+5.5	%R	Livability +2.4		Heifer Liv. +0.7
DPR	+0.4	%R	HCR +2.3		CCR +1.8
RFI	+12				
Feed Saved	+115	44%R		0 Dtrs 0 Herds	% US

08/2023	GHA TYPE SUMMARY				TPI +3031
PTAT +1.56	77%R	UDC+2.07	FLC+0.69	BSC -0.12	0 D / 0 H
				-2 -1 0 1 2	
Stature	+0.03	Tall			
Strength	-0.52	Frail			
Body Depth	-0.41	Shallow			
Dairy Form	+1.12	Open Rib			
Rump Angle	-0.08	High Pins			
Thurl Width	+0.53	Wide			
Rear Legs-Side	+0.52	Sickle			
Rear Legs-Rear	+0.29	Straight			
Foot Angle	+0.59	Steep			
Feet & Legs Score	+0.76	High			
F. Udder Attachment	+2.31	Strong			
Rear Udder Height	+2.96	High			
Rear Udder Width	+2.23	Wide			
Udder Cleft	-0.10	Weak			
Udder Depth	+1.75	Shallow			
Front Teat Placement	-0.10	Wide			
Rear Teat Placement	-0.14	Wide			
Teat Length	+0.26	Long			

### Sire: Pine-Tree Mirrorimage-ET

3231545377 08/23 PTA +3156 GTPI +1367 M  
0.34% +152 F +0.09% +69 P +1186 NM\$ +3.4 PL  
-1.2 DPR 2.83 SCS +1.07 T +1.47 UDC -0.14 FLC  
Outcome x Lionel x Achiever

<b>2<sup>nd</sup> Dam</b>	Pine-TRee 8418 Flier 688-ET
<b>3<sup>rd</sup> Dam</b>	Pine-TRee 7593 Purs 8418-ET
<b>4<sup>th</sup> Dam</b>	Pine-TRee Era Achie 7593-ET 01-10 3x 365d 35130m 5.0 1758f 3.1 1084p



Lot #	Lot type	Birthdate	REGNUM	ANIMALNAME	Beta	Kappa	DWP\$	GTPI	NM\$	CM\$	MILK	FAT	PRO	CFP
1	IVF	10/8/2022	3260816959	T-SPRUCE OVERDO 19547-ET (mw)	A1/A2	BB	1193	3285	1197	1214	1945	131	79	210
2	IVF	9/5/2022	3260816786	T-SPRUCE OVERDO 19374-ET	A2/A2	AB	1325	3118	1082	1101	1088	125	58	183
3	IVF	1/9/2023	3260817719	T-SPRUCE CHEW 20307-ET (polled)	A2/A2	AB	1237	3129	1135	1157	1039	122	61	183
4	IVF	4/20/2023	3265765435	T-Spruce Pazzle 20929-ET	A2/A2	AB	1286	3181	1121	1149	691	127	60	187
5	IVF	4/12/2023	3265765392	T-Spruce Hike 20886-ET	A2/A2	-	1274	3250	1322	1336	1654	129	71	200
6	IVF	4/8/2023	3265765367	T-Spruce Hike 20861-ET	A2/A2	BB	1333	3246	1272	1290	1210	133	67	200
7	IVF	10/6/2022	3260816947	T-SPRUCE ROCK PAUL 19535-ET	A2/A2	AB	1128	3110	1098	1121	1405	104	66	170
8	IVF	10/5/2022	3260816935	T-SPRUCE ROCK PAUL 19523-ET	A1/A1	BB	1330	3238	1227	1252	1344	109	72	181
9	IVF	11/5/2022	3260817184	T-SPRUCE Figaro 19772	A1/A2	AE	1167	3176	1197	1213	1626	119	67	186
10	sell	12/27/2022	3260817628	T-SPRUCE KAHN 20216-ET	A2/A2	AB	1242	3137	1228	1244	1927	127	75	202
11	sell	3/2/2023	3260818071	T-Spruce VanGogh 20659-ET	A1/A2	BB	1450	3096	1269	1294	1159	123	66	189
12	IVF	12/27/2022	3260817630	T-SPRUCE LTWRTH 20218-ET	A2/A2	AB	1116	3210	1216	1238	1114	123	65	188
13	IVF	1/1/2023	3260817657	T-SPRUCE LTWRTH 20245-ET	A2/A2	AA	1204	3199	1191	1212	958	122	54	176
14	sell	1/18/2023	3260817786	T-SPRUCE LTWRTH 20374-ET	A2/A2	AB	980	3176	1154	1167	2005	119	82	201
15	IVF	7/15/2022	3251844237	T-SPRUCE F BITE 19067-ET	A2/A2	AB	1479	3139	1295	1313	1576	123	74	197
16	IVF	9/7/2022	3260816798	T-SPRUCE OVERDO 19386-ET	A1/A2	AB	1281	3171	1194	1208	1777	150	73	223
17	IVF	7/14/2022	3251844230	T-SPRUCE F BITE 19060-ET	A2/A2	BB	1415	3195	1291	1310	1774	140	79	219
18	Sell	3/30/2023	3242339805	BLUMENFELD MILKY KATE-ET	A2A2	BB	1442	3145	1290	1307	1476	131	71	202
19	Sell	5/27/2023	3265892269	MAJR 737 JEREMY 889-ET	A1/A2	AB	1,010	3,140	1,269	1,291	1,473	157	74	231
20	IVF	3/12/2023	3255803600	SDG-PH 7589 HAYK 8124-ET	A1/A1	BE	981	3196	1170	1176	2243	120	73	193
21	IVF	1/20/2023	3255803556	SDG-PH 7680 CUMULUS 8080ET	A2/A2	BB	1267	3185	1203	1223	1558	129	72	201
22	IVF	2/14/2023	3257574090	SANDY-VALLEY ECSCO 40990-ET	A1A2	AA	1330	3107	1211	1230	1130	110	58	168
23	IVF RC*	2/19/2023	3257574151	SIEMERS PSTAR WIN 41051-ET	A2A2	AB	1336	3019	1145	1170	928	104	59	163





### Twin Spruce (Minnesota) invited to speak in Hungary

Twin Spruce is a 1700 cow dairy in Minnesota and a strong customer of the Nelson Family of Companies. Arnie and Kris Gruenes were invited to Hungary by Holstein Genetika to speak at an annual seminar of all Hungarian dairy farm owners. This seminar, sponsored by the equipment dealer

Axial, focused on the benefits of shredlage. During the week long trip, Arnie & Kris visited many other dairy operations across Hungary and exchanged experiences and ideas.



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# HOLSTEIN ASSOCIATION TERMS AND CONDITIONS FOR PUBLIC SALES

EFFECTIVE MARCH 2, 1996 - Amended October 1, 1997, June 28, 2000, June 23, 2002, March 26, 2010 and March 24, 2016

**TERMS:** The terms of the sale are cash unless arrangements are made prior to the sale or are printed in the sale catalog. Only when the above conditions are met will the buyer be entitled to the warranties listed below. In no case will animals be released unless settlement is made with the clerk of the sale.

**RESPONSIBILITY:** The seller, buyer, and manager of this sale are obligated to comply with the provisions of these terms and conditions.

**EXPORT SALES:** Buyer assumes all responsibility for health tests required by the importing country.

**BIDS:** The highest bidder is the buyer. Bidding parties or their agents are responsible for all bids placed. Every animal or lot presented for bidding is pledged to absolute sale. In case of dispute, the animal or lot will again be put up for advance bids, and if there is no advance bid, the animal or lot will be sold to the person the auctioneer accepted the last bid from. In case two or more claim the bid, the auctioneer will indicate the party whose bid he recognized. Other claimants will be given an opportunity to increase the bid and bidding will be restricted to the two or more claimants.

**BY-BIDDING:** Bidding directly or indirectly by the sole owner of any animal or lot is prohibited unless the intention to bid is disclosed specific to each animal in the catalog and announced when the animal enters the ring. Bidding by any member of a partnership, syndicate, or other entity having an ownership interest in an animal or lot is permitted.

**TRANSFER OF OWNERSHIP:** For all Registered Holsteins<sup>SM</sup>, the transfer of ownership to the buyer will be recorded on the records of Holstein Association USA and a certificate of registration showing that transfer of ownership will be provided to the buyer free of charge. For embryos, the transfer of ownership to the buyer will be recorded on the records of Holstein Association USA free of charge to the buyer.

**RISK:** All animals located at sale site are at the purchaser's risk as soon as struck off, but will be cared for free of charge for a maximum of 24 hours following the end of the sale.

## WARRANTIES:

- 1) Each consignor warrants clear title to the animal or lot, and the right to sell same.
- 2) To the best of the seller's knowledge, each animal is sound and healthy in every respect and embryos have been recovered, processed, frozen, transferred and graded in keeping with IETS recommendations unless otherwise noted in the catalog or announced from the auction stand. Every precaution will be taken to represent the physical condition of each lot exactly as is known. Examination of all purchases should be made immediately after the purchase and before the close of the sale, and if found not to be as represented, complaint must be reported to the sale management before the close of the sale. In the event no complaint is filed, it is understood that the buyer assumes full ownership in the case of animals at sale site together with all risks, after which no representations of the seller can be challenged through the sale management. Heifers that never calved are in no way guaranteed as to the condition of their udders following calving. The sex of an embryo or fetus is in no way guaranteed.

### 3) Breeding Warranty

The seller guarantees all animals to be breeders, but not beyond the purchase price, with the following understanding:

- a. **Males** - Should any bull after reaching the age of fourteen months fail to prove a breeder after being used for two months on cows or heifers known to be breeders, the matter shall be reported in writing to the seller within three months of the sale date. The report must include the animal's examination record, a written statement of treatment, and a statement of the animals' inability to breed,

by a licensed veterinarian. The seller has the option to refund the purchase price or make other settlement that is satisfactory to the buyer. In either case the rights of ownership of the animal return to the seller. The seller makes no guarantees with respect to the ability to freeze semen.

- b. **Females** - All females are guaranteed to be breeders with the exception of:

1. Cows over 7 years of age when sold;
2. Cows and/or heifers carrying a pregnancy that is the result of an embryo transfer.

Report of a non-breeder must occur in writing within 3 months of the date of sale or before the animal reaches 21 months of age and must be submitted to the seller. The report must include the animal's examination record, a written statement of treatment, and a statement of the animals' inability to breed, by a licensed veterinarian. The seller has the option to refund the purchase price or make other settlement that is satisfactory to the buyer. In either case the rights of ownership of the animal return to the seller.

Females bred when sold and pronounced in calf are presumed to be pregnant but pregnancy is not guaranteed unless so announced. The seller makes no warranty that pregnant cows will deliver calves or that they will carry calves full term.

- c. If, after the sale, embryos or oocytes are recovered from a female or an attempt is made to superovulate her, this negates the breeding warranty unless there is a separate written agreement between buyer and seller.

**SHIPPING:** Assistance will be given in arranging shipping of the animals after the sale. All costs, risks and responsibility will be borne by the purchaser.

**PEDIGREE INFORMATION:** All production, classification, type and production summaries are current. Only information recorded on Holstein Association USA pedigrees is used. Any production or classification records supplied by the seller or consignor will be properly identified as provided by owner. Records in progress are identified as such.

**GENOMIC INFORMATION:** If genomic information on the animal or embryo is available, it must be dated and disclosed at or before the time of sale.

**EMBRYO TRANSFER:** All registered animals that have resulted from embryo transfer are identified with one of the following suffixes in the name: ET, ETS (from split embryo), or ETN (from nuclear transfer). If unregistered, the appropriate technology will be identified. Donor dams are identified.

**HEALTH WARRANTY:** The seller will provide an official health certificate to the buyer for each animal showing the results of all health tests made in preparation for this sale as required by the state where the cattle reside. Other health tests completed for this sale will be disclosed.

**ERRORS:** The material in this catalog has been carefully edited. If any errors or omissions are discovered, they will be announced. Such announcements take precedence over that printed in this catalog.

**ACCIDENT:** The sale management, the consignors, and the owner of the grounds will not be responsible in any case for the condition of the grounds or the behavior of the animals and disclaim any liability in the event of personal accident or property loss.

**LIMITATIONS OF WARRANTIES:** Warranties contained herein, unless terminated earlier, will cease upon the resale of an animal.



Thank you!