



agriculture

Department:
Agriculture
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF AGRICULTURE
DIRECTORATE: ANIMAL PRODUCTION ANIMAL IMPROVEMENT ACT
2026 -05- 2 6
IMPORTATION OF SEMEN: AUTHORISATION NO. S0169/26-1
PRETORIA 0001
DEPARTMENT OF AGRICULTURE

(Issued in terms of section 16 of the Animal Improvement Act, 1998)
Valid from: 2026/05/26 - Expiry date: 2026/11/25

Authorization is hereby granted to: **WORLD WIDE SIRES-SA T/A W.PRINGLE EXPORT HOLDINGS**
of: **PO BOX 60913, TABLEVIEW, 7439.**

for the importation **BOVINE** semen of the **ANGUS** cattle breed
from (country of origin): **UNITED STATES OF AMERICA** through (Port of entry): **CAPE TOWN INTERNATIONAL AIRPORT**

Semen will be cleared by: **WORLD WIDE SIRES-SA.**

List of animal's genetic materials to be imported:

Name of Animals	Registration No.	Number of doses
PIE CADILLAC 3289	ARUSA000004865308	5
BIEBER CHECKMATE K126	ARUSA000004620529	5
CONNEALY CRAFTSMAN	ANUSA000020132505	20
COLEMAN EASY DECISION 1539	ANUSA000020503415	15
CRAWFORD GUARANTEE 9137	ANUSA000019526770	10
MOKE G NORTHBOUND	ANUSA000020106934	11
MUSHRUSH TOP SECRET M126	ARUSA000004926528	10

WORLD WIDE SIRES LTD, 5545 AVENIDA DE LOS ROBLES, VASALIA, CA 93291, USA

TOTAL: 76

CONDITIONS

- 1) Certification by the exporting country that the number of unfrozen (live) spermatozoa per dose complies with the minimum amount specified on the reverse side of this document.
- 2) DNA profiles must be provided to the Register of Animal Improvement, and relevant Breeders Society before release from quarantine, if not available at time of importation.

This authorization is subject to the compliance with the veterinary requirements set out in the attached permit and is also subject thereto that the intended importation meets with all the provisions of the said Act. This authorization does not exempt the importer from the provisions of any other law. This authorization may be withdrawn by the Registrar should any false information be discovered in the application. This authorization is also not transferable. This authorization is for one consignment only and must be handed in and cancelled at the port of entry. Imported semen shall under no circumstances be transferred, sold, given, or donated to many other person or body unless prior written approval from the Registrar has been obtained. Any such approval shall be considered as new application for the importation of semen.


REGISTRAR: ANIMAL IMPROVEMENT

DATE: 2026/05/26

AMERICAN ANGUS ASSOCIATION
3201 Frederick Ave., Saint Joseph, Missouri 64506-2997
PHONE: 816-383-5100

NAME OF ANIMAL	SEX	REGISTRY NO.	DATE CALVED	FREEZE BRAND	
MOKE G NORTHBOUND	Bull	AAA 20106934	1/03/2021	128	128
[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]					
BREEDER					
Moke, Glen Corsica SD					

	O C C PAXTON 730P	AAA #*14940735 [AMF-CAF-XF]
	COLEMAN CHARLO 0256	AAA #+*16879074 [AMF-CAF-XF]
	BOHI ABIGALE 6014	AAA +15353355
S A V RAINFALL 6846	AAA +*18578963 [AMF-CAF-XF]	
	S A V 8180 TRAVELER 004	AAA #13512009 [AMF-CAF-XF]
S A V BLACKCAP MAY 4136	AAA *14739095 [CAF]	
	S A V MAY 2397	AAA #+14140872 [CAF]
SIRE		
SQUARE B TRUE NORTH 8052	AAA +*19405246 [AMF-CAF-XF]	
	KMK ALLIANCE 6595 I87	AAA #13346328 [AMF-CAF-XF]
CONNELLY CONSENSUS	AAA #*15513367 [DDF]	
	BLINDA OF CONANGA 004	AAA 14220093
ELBANNA OF CONANGA 1209	AAA 17029025	
	CONNELLY FORWARD	AAA #*15491633 [AMF-CAF-XF]
ELBASTA OF CONANGA 9703	AAA 16449958	
	ELBA OF CONANGA 3761	AAA #15475857 [CAF]
	O C C UNMISTAKABULL 896U	AAA #16573072
KOUPAL KOZI 22	AAA *17314291 [DDF-OHF]	
	KOUPAL ELBA 0187	AAA 16726219 [DDF-OHF]
KOUPAL KOZI 418	AAA *17896885 [AMF-CAF-XF]	
	KOUPAL BRULEE 698	AAA 15455151 [AMF-M1F-XF]
KOUPAL EBONETTE 263	AAA *17326118 [M1F]	
	KOUPALS EBONETTE 545	AAA #15105235 [CAF-OHF]
DAM		
MOKE G ERICA 958	AAA 19528230	
	S A V FINAL ANSWER 0035	AAA #*13592905 [AMF-CAF-XF]
S A V PRIORITY 7283	AAA #*15688351 [AMF-CAF-XF]	
	S A V BLACKCAP MAY 5530	AAA #+15108209 [CAF]
GM ERICA 341	AAA 17645542	
	SITZ UPWARD 307R	AAA #*14963730 [AMF-CAF-XF]
GM ERICA 807	AAA 16234343 [DDF]	
	G M ERICA 203	AAA 14206268

I certify this is original document.

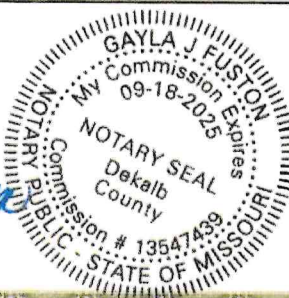
Aug 8, 2023

Gayla J. Fuston



FILE NO. Y23932

4



Mark A. McCully
Mark A. McCully
Chief Executive Officer

918576

7AN718 MOKE G NORTHBOUND

WWS 071512026
DNA ✓
5 Gen ✓
Permit ✓
Geno



From Glen Moke, Corsica, SD

Registration: 20106934

Tattoo: 128
Born: 1/3/21

S A V RAINFALL 6846
SQUARE B TRUE NORTH 8052
ELBANNA OF CONANGA 1209

KOUPAL KOZI 418
MOKE G ERICA 958
GM ERICA 341

- ▶ NORTHBOUND is proving to be a bulletproof heifer sire that offers extra genetic merit.
- ▶ Sired by the popular RAINFALL son, True North, NORTHBOUND offers breed-leading CE and \$M while also excelling for MARB and REA.
- ▶ NORTHBOUND is backed by a solid cow family. His grandam has posted a 362 day calving interval with a WW ratio of 6@104 and YW ratio of 6@105.
- ▶ Looking for efficient cows? NORTHBOUND is moderate for MW and MH and is above average for MILK with reduced DMI.
- ▶ Contact Your Select Sires Sales Representative for Availability.

	CED	BW	WW	YW	RADG	DMI	YH	SC	DOC	Claw	Angle	HS	PAP	HP	CEM	FL	UDDR	TEAT	Milk	MW	MH	SEN	CW	Marb	RE	Fat	\$AxH	\$AxJ	\$M	\$W	\$F	\$G	\$B	\$C
EPD	14	-1.5	61	104	0.25	0.6	-0.1	0.73	20	0.34	0.52	0.37	-2.16	12.8	10	1.13	0.23	0.41	42	16	-0.4	-2	37	0.82	0.95	0.042	160	137	95	87	79	63	142	279
Acc	0.41	0.66	0.56	0.5	0.34	0.34	0.5	0.45	0.35	0.28	0.28	0.3	0.29	0.22	0.31	0.38	0.33	0.34	0.35	0.41	0.43		0.42	0.39	0.38	0.36								
% Rank	4	10	70	75	55	20	95	60	45	10	75	30	3	30	35	15	95	75	1	95	95	20	80	35	20	75	25	30	5	10	80	30	60	35

ANGUS

Sample Details - 34882180

Customer Sample ID	:		End Customer	:	
Organization	:	Select Sires-Beef	Species	:	Unknown
Animal ID	:	7AN718 Northbound	Barcode	:	42821085234
Secondary Barcode	:		Ear Notch	:	
Registration Number	:	20106934	End Customer	:	
Breed	:		Sample Type	:	Semen Straw
Extracted	:		Received	:	2022-06-01
Sex	:		Dam	:	
Prospective Sire 1	:		Prospective Sire 2	:	

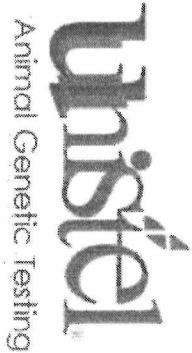
Order 754174 **Test :** SM2_GeneSeek_ISAG **Status :** Ready
ID : (SM2_GeneSeek with additional ISAG marker)

Sample ID	Animal ID	Test	Date Banked	BarCode
34882180	7AN718 Northbound	SM2_GeneSeek_ISA G		42821085234

Registration Number	BM1824	BM2113	ETH10	ETH225
20106934	178/188	125/133	217/219	144/148

ETH3	INRA23	SPS115	TGLA122	TGLA126
117/117	206/208	248/260	143/151	115/115

TGLA227	TGLA53	BM1818
89/97	160/176	262/270



DNA Profile Report

Batch : 261682U
Owner : Wade Pringle
Farm : World Wide Sires
Account : PRIM01
Via : PRIVATE
Invoice To : Owner
Test Method : UMLSOPUCATBovine15;
UMLSOPCATL02 Cattle Genotyping
Job No : 174976

Created: 2026-07-17

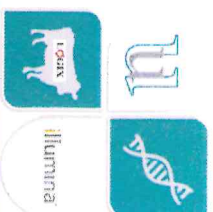
ANIMAL		Marker	Allele1	Allele2
Animal Name	MOKE G NORTHBOUND 128	BM1818	262	270
Tag No	MOKE G NORTHBOUND 128	BM1824	178	188
Sample #	261682U001	BM2113	125	133
Animal Species	CATTLE	CSRM60	98	104
Animal Breed	ANGUS	CSSM66	183	183
Registration Id	AAA20106934	ETH10	217	219
Birth Date	2021-03-01	ETH225	144	148
Microchip #		ETH3	117	117
Tissue Type	Semen Straw	ILSTS006	288	292
Gender	Male	INRA23	206	208
		SPS115	248	260
		TGLA122	143	151
		TGLA126	115	115
		TGLA227	89	97
		TGLA53	160	176

Report Date: 12-Aug-2026 12:40

Disclaimer

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requester. While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract. Some DNA profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring or reporting strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our DNA profiles. This certificate replaces all previously issued certificates.

Address: Office Block 1, De Tiger Park, Hannes Louw Drive, Parow North, Cape Town, 7500, RSA
Postal Address: Postnet Suite 13, Private Bag X22, Tygervalley, 7538, RSA
Tel: +27 (21) 021 007 5616
Directors: HC Viljoen (Chairman), L Theart (CEO), B Grindley-Whieldon, M Senekal, HJ Pearce
Unistel Medical Laboratories (Pty) Ltd (Reg.No:- 1998/021075/07)



Unistel Medical Laboratories
Genetic Report
BOVINESNP50-24 v3 BeadChip

Animal Tested:

Wade Pringle
World Wide Sires
Angus
MOKE G NORTHBOND 128
261682U001

Sample type:

Semen

Description	Mutations	Status	Description	Mutations Tested	Status
Coat colouration	MC1R - e	E+/E+	Meat	Calpain 1 - 316	G/C - Intermediate breakdown
	MC1R - ED	Ed/Ed	Tenderness	Calpain 1 - 4751	C/T - Intermediate breakdown
	Dun Dexter Dilution (TYPR1)	+/+		Calpain 1 - 530	G/G - Normal breakdown
	Silver Dilution type 1	+/+		Calpastatin - 282	G/C - Intermediate inhibition of Calpain
	Silver Dilution type 2	+/+		Calpastatin - 2870	A/G - Intermediate inhibition of Calpain
Myostatin Status	Myostatin C313Y	Clear	Milk status	Calpastatin - 2959	A/A - Does not inhibit Calpain
	Myostatin E226X	Clear		Beta Casein - 245	A2/A2
	Myostatin E291X	Clear		Beta Casein - 411	B/B
	Myostatin nt419	Clear		Kappa Casein - 352	A/A
	Myostatin nt821	Clear		Kappa Casein - 467	A/A
	Myostatin Q204X	Clear		Kappa Casein - 470	B/B
	Myostatin D182N	Clear		Kappa Casein - 506	A/A
POMPE Status	Myostatin F94L	Clear		Kappa Casein - 526	A/A
	Myostatin S105C	Clear	Milk quality	Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield
	E7 mutation	Clear		Growth Hormone 2141	Decreased milk protein & fat yield
	E13 mutation	Clear		Growth Hormone 2291	Normal milk fat yield, fat & protein %
Heat Tolerance	SLUK	No added resistance		ABCG2 - protein yield milk	Normal fat, protein & milk yield. Normal fat & protein %.
	Pinkeye resistance	No added resistance		Acy/CoA - milk fat percentage	Normal fat, protein & milk yield; normal fat & protein %
	Bone Disorder	Clear	Hornedness	Trimethylaminuria excess in milk	Clear
Breed mutations	Alpha Mannosidosis 961	Clear		Yellow milk fat	Normal yellow fat
	Neuropathic hydrocephalus	Clear		Polled (Celtic and Friesian)	Homozygous Polled
	Developmental Duplication	Clear			

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Linette Cloete

From: Hannah Kruger <hannah@studbook.co.za>
Sent: Wednesday, 27 May 2026 08:31
To: Linette Cloete
Subject: Re: New semen sire - Northbound

Hi Linette

It is not a bad bull. The weaning and yearling weight is just below average which is not ideal.

This bull will give you small calves at birth who are under average for wean growth and will be smaller at yearling but he has very good milk. So because he has such high milk it affects the direct weaning growth ability.

Meaning his daughters should wean good calves (due to milk) but his sons wont produce good growers.

I would prefer to see a better balance between the growth and milk.

He will give good carcasses in terms of size and marbling but he doesnt give much subcut fat due to the high milk as well. All the energy and fat reserves will go into milk production.

I hope this helps

Warm regards

Hannah

On 2026/05/27 08:20, Linette Cloete wrote:

Hi Hannah

Trust that you are well?

Could you please take a look at the new bull?

Thank you!

From: Debbie Bruwer <Debbie@wwsires.co.za>
Sent: Wednesday, 27 May 2026 08:06
To: Linette Cloete <lcloete@angus.org.za>
Subject: Permit aansoek