

CSA Policy on Genetic Defects

When in the opinion of the General Manager, or his designate, sufficient evidence is available from the research data that an animal is a carrier of a genetic abnormality, the owner of the animal's sire will be notified.

DEFINITION AND SPECIAL ACTION:

A deleterious genetic factor is defined as one that causes death or impairment of the usefulness of the animal.

The CSA Board of Directors shall determine which deleterious genetic factors are to receive special attention and monitoring.

CLASSIFICATION:

The Association shall record in each edition of the National Sire Summary – S.I.R.E.S., a notation of any sire that has been classified as a “Proven Carrier.” The notation will include the deleterious genetic factor or factors the bull processes. The Association may release such information to any of its members who may request the same, without the Association or any of its officers, staff or members becoming liable for damages.

The Board of Directors will determine the criteria by which a breeding animal shall be classified a “Proven Carrier” for each genetic abnormality.

All suspected carriers will be DNA tested for the genetic defect and parentage verified. In the event a DNA test is not available, recognized guideline for testing bulls for recessive genes is to mate a bull to at least 35 of its own daughters. If all normal calves results (35 calves – 35 matings), there is a 99.6 percent probability that the bull is free from autosomal recessive genetic abnormalities.

The expense of any test or tests to determine whether an animal is “Proven Clean” or “Proven Carrier” will be the responsibility of the owner or the semen distributor.

ETHICS:

The Association considers it an unethical practice to offer for sale a breeding animal or semen or embryos from an animal which is known to carry a deleterious genetic factor as defined by the CSA without first informing the potential buyer or buyers of this fact. Any advertising, descriptive material or pedigree initiated by the owner of a “Proven Carrier” of a deleterious genetic factor as defined by the CSA shall include a statement defining the deleterious factor or factors which the animal in question possesses. Any effort to conceal such information is considered to be equally unethical.

PROCEDURES TO FOLLOW

1. Include a report from the veterinary practitioner and the diagnostic laboratory if available.
2. Keep the animal alive, if possible, or freeze the affected body parts, such as head, legs, toes, etc. Members may also be asked to send abnormal calves (either dead or alive) to the Western College of Veterinary Medicine, University of Saskatchewan, Saskatoon or other Regional Diagnostic Laboratory.
In special cases, arrangements may be made to examine the animal on location or have another research facility diagnose the problem.
3. Unless a DNA profile is already on file, a blood and or hair sample should be submitted from the calf, as well as its sire and dam, and submitted to the Saskatchewan Research Council, Bova-Can, Saskatoon, Saskatchewan. DNA kits are available upon request from the CSA office. The CSA will pay DNA testing fees for all abnormal animals.

Owner Information

Name of Herd Owner: _____

Address: _____

Member Number: _____ Telephone: _____

Location of Herd: _____ Province: _____

Size of Herd: _____ Foundation Breed(s) _____

I certify that the information reported is true and correct to the best of my knowledge and belief.
The Canadian Simmental Association has permission to use this information without restriction.

Signature of owner making report

Signature of attending Veterinarian, if applicable

Date: _____ Date: _____

Mail to: Canadian Simmental Association
#13, 4101-19 St NE
Calgary, Alberta T2E 7C4

Sire Information

SIRE OF RECORD

Name: _____ CSA Registration Number _____

Dam Information

DAM OF RECORD

Name: _____ CSA Registration Number _____

Has this dam had other abnormal calves? (Yes/No) _____

If Yes, describe: _____

1st service – Date: _____ Bull's Name: _____ Reg. No: _____

2nd service – Date: _____ Bull's Name: _____ Reg No: _____

3rd service – Date: _____ Bull's Name: _____ Reg No: _____

Calf Information

Sex: _____ DOB: _____ Twin (Y/N) _____ Sex of Twin: _____ ET: _____ Dead (Y/N) _____

Cause of Death (if determined): _____

Calving Difficulty? _____ Was abnormality obvious at birth? (Y/N) _____

When was abnormality noticed? _____

Did Veterinarian see abnormal animal? (Y/N) _____ If Yes, when? _____

Name: _____ Telephone _____

Address: _____

Has a blood or hair sample been submitted? _____ If so, when? _____

Detailed description of affected animals by owner or attending Veterinarian:

CIRCLE EACH WORD THAT APPLIES TO THE ABNORMALITY

General: small large runt weak dwarf mummified inside-out normal other

Muscles: in-coordination spasm missing large contracted normal other

Bones/Joints: missing bones short spine stiff joints normal other

Hide and Hair: hairless abnormal development albino normal other

Head: enlarged short thick small wide forehead depression between eyes
bulging forehead peaked opening in forehead normal other

Ears: bent notched long short normal other

Eyes: closed small eyes no eyeballs pop eyes crossed eyes blind hairs in eyes
film over eyes (cataract) normal other

Nose: fused nostrils pug nose wry face hairs in nostril double normal other

Lower Jaw: won't open short long impacted molars absent normal other

Upper Jaw: cleft palate short long absent normal other

Limbs: absent crossed short thickened paralyzed additional legs crooked
reversed cocked ankle absence of dew claw normal other

Feet: toeing out extra feet long hooves one toe two or more toes feet turned back
normal other

Hips: stiff narrow wide hip bone narrow pin bones normal other

Tail: absent short stub bob wry at angle kinky crooked tail
crooked tail head drags ground two-tailed normal other

Rectum, Vagina: high common opening no anus abnormal sex organs normal other

Abdominal Area: hernia incomplete closure other

Central Nervous

System: convulsions paralysis uncoordinated

Bleeding: especially from tattoo umbilicus hematoma under skin nose bleed