

BLUETONGUE DISEASE

FREQUENTLY UNDERESTIMATED CONSEQUENCES

BTV detectable clinical signs:

 Temporary infertility

 Abortions, deformed fetuses, premature births

 Lameness, stiffness, detachment or deformation of the hooves

 Fever

 Panleukopenia

 Ulceration of the mucous membranes: muzzle/mouth/eye

 Regurgitation

 Dyspnea

 Oedema

 Nasal discharge

 Hyperptyalism

 Conjunctivitis

 Hiperemia

BTV serotype

Virulence

1	**
3	***
4	*
8	**



Losses



Direct losses:

- Reduced milk yield.
- Increase of mortality.
- Weight loss.
- Reduction of fertility rate.
- Abortion.
- Reduction of meat production.

Indirect losses:

- Increase of veterinary and medication costs.
- Loss of revenue.
- Trade restrictions limiting acces to higher value markets.

Reproductive problems



After recovery from the infection:

- In ewes: delays in the reproductive cycle, with absent or irregular estrus.
- In rams: temporary decrease in semen quality, reduced libido, or changes in reproductive behavior.

Other facts observed during the recent outbreaks of serotype 3 in Europe



- Vertical transmission.
- Increase in the number of diagnoses of rumen lesions.
- Increase in the number of diagnoses of inflammatory respiratory problems and/or pneumonia.
- Increased number of lungworm diagnoses.



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