

WILDLIFE INCIDENT UNIT

1/23



Original thinking... applied

WILDLIFE INCIDENT REPORT

INCIDENT NUMBER 1/23
PART OF STUDY WIIS23
REGIONAL NUMBER W/23/01
OTHER REFERENCES 28-B0007-01-23
SENDER APHA Carmarthen VIC
LOCATION Felinfach, Ceredigion
Cardiganshire
GRID REFERENCE SN5355
INCIDENT DATE 1 January 2023
SUSPECTED CAUSE OF INCIDENT background residue
DATE OF REPORT 11 April 2023

REPORTING OFFICER [REDACTED]
SIGNED : [REDACTED]

NUMBERS AND SPECIES INVOLVED
1 buzzard

COPIED TO [REDACTED]

Direct Phone Number 01904 462456 E-mail: wiis@fera.co.uk

Fera Science Ltd.
York Biotech Campus,
Sand Hutton, York, YO41 1LZ

www.fera.co.uk
T: +44 (0)300 100 0321
E: sales@fera.co.uk

Original thinking... applied

WILDLIFE INCIDENT REPORT



Original thinking... applied

1/23

Samples received		Date received	Sample identifier
100876	buzzard	20/1/23	APHA: 28-B7-01-23
100876	buzzard	20/1/23	APHA: 28-B7-01-23
	tissues		

Summary of field data

A buzzard was found dead in a garden by the home owner. The incident was reported to the Welsh Government and the carcass was transferred to the APHA for an examination. There are no further details available at present.

Summary of post mortem report

A female buzzard in good body condition and moderate autolysis was submitted for post-mortem examination. The buzzard was sealed inside two clear plastic bags and the inner bag was labelled WA PRODUCTS 01621786654 WS1525625. The buzzard was well muscled. There was ample fat in the peritoneal cavity. The crop was empty. There were the remains of a small rodent in the gizzard. Intestinal contents were light brown and pasty. The left lung was haemorrhagic. Other organ systems examined were unremarkable. The endocrine system was not examined.

Analysis : metaldehyde & carb (LC) analysis suite

100876	stomach contents	no metaldehyde & carb (LC) detected	detection limit	0.03	mg/kg
--------	------------------	-------------------------------------	-----------------	------	-------

Analysis : organophosphate analysis suite

100876	stomach contents	no organophosphate detected	detection limit	0.7	mg/kg
--------	------------------	-----------------------------	-----------------	-----	-------

Analysis : rodenticide & chloralose analysis suite

100876	liver	difenacoum	confirmed	0.012	mg/kg
100876	liver	bromadiolone	confirmed	0.0071	mg/kg
100876	liver	brodifacoum	confirmed	0.029	mg/kg

Conclusion

It was suspected that this buzzard had been poisoned, as it had eaten recently and was in good body condition. Laboratory analysis for a range of likely pesticides has been undertaken on the submitted samples. These tests have detected and confirmed a residue of brodifacoum, difenacoum and bromadiolone in the liver of this buzzard. However, the amounts found are consistent with exposure levels only and they are not considered to be the cause of death of the bird. Therefore, the cause of death of this buzzard remains uncertain.

Fera Science Ltd.
York Biotech Campus,
Sand Hutton, York, YO41 1LZ

www.fera.co.uk
T: +44 (0)300 100 0321
E: sales@fera.co.uk

Original thinking... applied

Fera Science Limited, a company incorporated in England and Wales (registered number 9413107) whose registered address is at 65 Gresham Street, London EC2V 7NQ

©2023 Fera Science Limited. Confidential and proprietary information.