

WILDLIFE INCIDENT UNIT

21/11



The Food and Environment
Research Agency

WILDLIFE INCIDENT REVISED REPORT

INCIDENT NUMBER 21/11 **RESTRICTED**

PART OF STUDY FSGD-130

REGIONAL NUMBER W/11/05

OTHER REFERENCES 29-B0099-03-11

SENDER VLA Aberystwyth , WAG

LOCATION Gobannivn
Monmouthshire

GRID REFERENCE [REDACTED]

INCIDENT DATE 13 March 2011

SUSPECTED CAUSE OF INCIDENT bendiocarb
abuse

DATE OF REPORT 24 October 2011

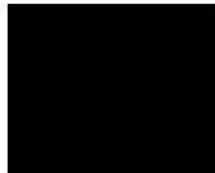
REPORTING OFFICER [REDACTED]

SIGNED : [REDACTED]

NUMBERS AND SPECIES INVOLVED

1 buzzard
1 white powder sample

COPIED TO



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Samples received			Date received	Sample identifier
89894	buzzard		24/3/11	VLA ref 29-B0099-03-11
89894	buzzard	tissues	24/3/11	VLA ref 29-B0099-03-11
92457	white powder sample		12/9/11	Spec ref.: 1, 'White powder'

Summary of field data

A member of the public noted a buzzard flapping on the ground. This was reported to the county council. When they visited the site they found a dead buzzard. The police were contacted and the buzzard collected. The buzzard was reported to be in a good condition with no obvious injuries and fresh food present in its mouth.

Summary of post mortem report

A female buzzard was submitted in a fat body condition, weighing 1.04 Kg with mild autolysis. There was fresh meat in the mouth and oesophagus down to the level of the thoracic inlet. The gizzard contents consisted of dark black hairs in a ball and scant quantities of brown liquid. There were small active follicles on the ovary. The other systems are unremarkable.

Analysis : carbamate (LC) analysis suite

89894	gizzard contents	bendiocarb	confirmed	19	mg/kg
92457		bendiocarb	confirmed	9900	mg/kg

Analysis : chloralose-alpha

89894	kidney	no chloralose-alpha detected	detection limit	0.5	mg/kg
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Analysis : organophosphate analysis suite

89894	gizzard contents	no organophosphate detected	detection limit	0.8	mg/kg
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Analysis : rodenticide analysis suite

89894	liver	difenacoum	confirmed	0.041	mg/kg
89894	liver	brodifacoum	confirmed	0.008	mg/kg

Conclusion

It was suspected that this buzzard had been poisoned. Laboratory analysis for a range of likely pesticides has been undertaken on the submitted samples. These tests have detected and confirmed a residue of bendiocarb in the gizzard content of the buzzard and the amount found is significant and is likely to be the cause of death of this bird. There were also residues of difenacoum and brodifacoum confirmed in the liver, which are consistent with exposure to the pesticides. The abuse of bendiocarb is suspected, but the bait material used is uncertain.

Some additional investigations were made for this incident and a sample of white powder was submitted for analysis. This has been tested for a range of carbamate pesticides and a residue of bendiocarb was detected and confirmed.

This replaces the earlier report issued on the 14th June 2011.