

# ASULOX®

A post emergence translocated herbicide for the control of bracken under the conditions of the emergency authorisation issued by Chemicals Regulation Division of the Health and Safety Executive.

A soluble concentrate containing 400 g/L (33.6% w/w) of the sodium salt of asulam

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

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**WARNING**  
**May cause an allergic skin reaction.**  
**Very toxic to aquatic life with long lasting effects.**  
Wear protective gloves/protective clothing.  
IF ON SKIN: Wash with plenty of water.  
Avoid release into the environment.  
Collect spillage.  
Do not contaminate water with the product or its container (Do not clean application equipment near surface water/  
Avoid contamination via drains from farmyards and roads).

**To avoid risks to human health and the environment, comply with the instructions for use.**

## SAFETY PRECAUTIONS

### Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

OPERATORS MUST WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES WHEN HANDLING THE CONCENTRATE.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

DO NOT BREATHE SPRAY.

WASH HANDS AND EXPOSED SKIN before meals and after work.

WHEN USING do not eat drink or smoke

EXTREME CARE MUST BE TAKEN to avoid spray drift onto non-crop plants outside of the target area.

To protect mammals, application is not allowed where the hazel dormouse is known to breed.

TO PROTECT BIRDS, application before 1 July and after 12 September in the season of use is not allowed. Where at all feasible, application should be made after 1 August, or as late in July as possible.

Operators must take into account ground nesting birds. There is a potentially significant risk to ground nesting birds towards the end of the breeding season.

WHERE THERE IS A RISK TO RARE OR SENSITIVE SPECIES, or where spraying is to take place near a Site of Specific Scientific Interest then advice must be sought from the appropriate conservation agency - Natural England, NatureScot, Natural Resources Wales or the Northern Ireland Environment Agency.

### Storage and Disposal

KEEP AWAY from food drink and animal feedingstuffs.  
KEEP OUT OF REACH of children.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.  
WASH OUT CONTAINER THOROUGHLY and dispose of safely.  
CONTAINERS MUST NOT be re-used.

## Environmental Protection

TO PROTECT AQUATIC ORGANISMS, respect an untreated horizontal buffer zone distance to surface water bodies of 90m when spraying from helicopters using low drift nozzles such RD1000 Pencil Jets or Delavan RD 'Raindrop' type nozzles.

TO PROTECT NON-TARGET TERRESTRIAL PLANTS, respect an unsprayed horizontal buffer zone distance to non-target environment of 90m when spraying from aircraft using low drift nozzles such as RD1000 Pencil Jets or Delavan RD 'Raindrop' type nozzles.

TO PROTECT NON-TARGET TERRESTRIAL PLANTS respect an untreated buffer zone of 5m to non-crop areas when using horizontal boom sprayers. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH AT LEAST THREE STAR DRIFT REDUCTION TECHNOLOGY. Low drift spraying equipment must be operated according to the specific conditions stated in the official three-star rating for that equipment as published on HSE Chemicals Regulation Directorate's website.

SINCE THERE IS A RISK TO AQUATIC LIFE from use, users not applying the statutory buffer zone must either themselves carry out or ensure that someone else has carried out a Local Environment Risk Assessment for Pesticides (LERAP) on their behalf before each spraying operation from a horizontal boom sprayer.

USERS MUST NOT ALLOW DIRECT SPRAY from horizontal boom sprayer to fall within 5m of the top of the bank of

any static or flowing waterbody or within 1m of a ditch which is dry at the time of application (these distances to be measured as set out in the booklet 'Local Environment Risk Assessment for Pesticides - Horizontal Boom Sprayers' and any amendments that are made to it) unless:

- (a) The LERAP indicates that a narrower buffer zone will be sufficient; and
- (b) Any measures indicated by the LERAP as justifying the narrower buffer zone are complied with in full and in accordance with any conditions applicable to them.

Spray must be aimed away from water.

Spray from hand-held sprayers must not be allowed to fall within 1m of the top of the bank of a static or flowing waterbody. Spray must be aimed away from water.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

Detailed guidance on LERAPs and how to conduct a LERAP are contained in the booklet 'Local Environment Risk Assessment for Pesticides - Horizontal Boom Sprayers', available from HSE Chemicals Regulation Division's website. All LERAPs must be carried out in accordance with this Guidance and any amendments that are made to it.

# 5 LITRES

For 24 hour emergency information contact:  
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