



What are adjuvants and their regulatory position when integrating them with crop protection products

Selchuk Kurtev, Zest Sustainable ICM

What I will cover

- **What is an adjuvant**
- **Adjuvant definition**
- **Regulatory position around adjuvants**
- **Examples of products without the need for approval**

What are adjuvants

- Adjuvant (taken from the Latin, '*adjuvare*,' meaning 'to help')
- 'Products' in various formulations containing active substances with no 'pesticidal' activity, but perform one or several functions:
 - ✓ Improved plant protection product coverage, adherence and penetration to a pest or to crop tissue
 - ✓ Water conditioning
 - ✓ Increased water droplet size
 - ✓ Additional stability, solubility, and compatibility of a solution
 - ✓ Decreased tank mix foaming
 - ✓ Field marking

Definition of an adjuvant

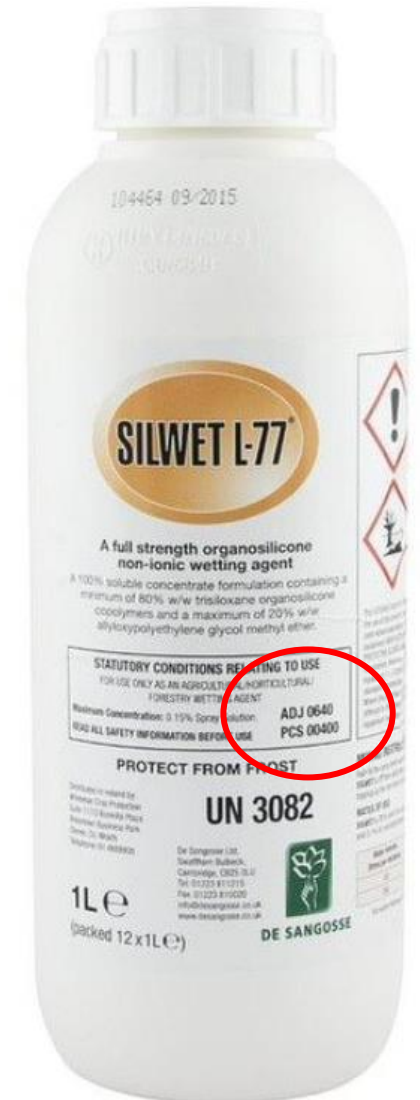
Adjuvants are authorised under **Regulation (EC) 1107/2009** which defines 'adjuvants' as being:

'substances or preparations which consist of co-formulants or preparations containing one or more co-formulants, in the form in which they are supplied to the user and placed on the market to be mixed by the user with a plant protection product and which enhance its effectiveness or other pesticidal properties'.

Adjuvants are **NOT** plant protection products (PPPs); but, as they influence the way PPPs behave and the effects they have, they are subject to regulatory control.

Regulation

- **The Official List of Adjuvants - [Adjuvant - Search \(pesticides.gov.uk\)](https://www.pesticides.gov.uk)**
- Crop specific approvals - be aware!
- Phytotoxicity claim not possible if used on an unauthorised crop
- Spray application records must highlight their use
- Possible dose rate reduction of certain products and crops
- Must carry out a COSHH assessment
- Storage conditions



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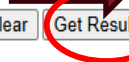
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■ The Official List of Adjuvants; adjuvants for use in GB and NI, GB or NI

The Official List of Adjuvants includes all List Entries for use in GB and NI, GB or NI. It is the user's responsibility to check individual List Entries to determine the extent of use permitted by each specific List Entry.

Please enter details into any or all of the boxes below, then press 'Get Results':

Adjuvant:	<input type="text"/>		Picklist <input type="button" value="Adjuvant"/>
Adjuvant No:	<input type="text"/>		
Administration:	<input type="text" value="v"/>		
Applicant:	<input type="text"/>		<input type="button" value="Applicant"/>
Effective Adjuvant Component Group:	<input type="text"/>		<input type="button" value="Group"/>
Pesticide Active Substance:	<input type="text"/>		<input type="button" value="Active"/>
Pesticide Product:	<input type="text"/>		<input type="button" value="Product"/>
Crop:	<input type="text"/>		<input type="button" value="Crop"/>
		<input type="button" value="Clear"/>	<input type="button" value="Get Results"/>

Alternatively, you can check for site updates:

! To order a copy of the full list of adjuvant list entries, please email : PPPenquiries@hse.gov.uk

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Adjuvants

<u>Adjuvant</u>	<u>Number</u>	<u>Administration</u>	<u>Date of Inclusion</u>	<u>Expiry Date</u>	<u>Current Nanum</u>	<u>Report</u>
Slither	A0458	GB and NI	02/11/2023		20232518	

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**PLANT PROTECTION PRODUCTS REGULATIONS 2011
PLANT PROTECTION PRODUCTS REGULATIONS (NORTHERN IRELAND) 2011
ENGLISH AND WELSH LIST, SCOTTISH LIST AND NORTHERN IRISH LIST
LISTED ADJUVANT**



Product Name: Slither

ADJ: 0458

List Entry No: 2518 of 2023

Formulation: An emulsifiable concentrate formulation containing 84.0 % w/w trisiloxane organosilicone copolymers (EAC 1); (detailed formulation as specified in the application form dated 17 May 2023 (HSE ref.: W002090091) and application form dated 21 December 2020 (HSE ref.: W001990490) submitted in support of this List Entry)

Applicant: De Sangosse Limited
Goodwin Business Park
Willie Snaith Road
Newmarket
Suffolk
CB87SQ

REQUIREMENTS TO WHICH USE OF ADJUVANT IS SUBJECT

Field of use: **ONLY AS AN ADJUVANT**

<i>Crops/situations:</i>	<i>Plant protection product:</i>	<i>Maximum concentration (% spray solution):</i>	<i>Maximum number of treatments:</i>	<i>Latest time of application:</i>
All non edible crops, all non edible crops (stubble), all edible crops (stubble)	All authorised plant protection products	0.15	Follow the statutory conditions of use of the plant protection product	Follow the statutory conditions of use of the plant protection product
All edible crops	All authorised plant protection products at half or less than half the authorised plant protection product rate	0.15	Follow the statutory conditions of use of the plant protection product	Follow the statutory conditions of use of the plant protection product

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Adjuvants

Adjuvant	Number	Administration	Date of Inclusion	Expiry Date	Current Nanum	Report
ADJ II	A0872	GB and NI	29/09/2021	30/06/2024	20212185	
Addit	A0910	GB and NI	22/11/2023		20232666	
Admix P	A0301	GB and NI	19/12/2023	30/06/2025	20232873	
Biopower	A0617	GB and NI	04/04/2023		20230670	
Clayton Bower	A0941	NI Only	01/09/2022		20222165	
Clayton NFP	A0834	GB and NI	27/09/2021	30/06/2024	20212171	
Clayton Bower	A0861	GB and NI	27/09/2021	30/06/2024	20212174	
Elasto G5	A0915	GB and NI	04/04/2023		20230671	
Mero	A0818	GB and NI	04/04/2023		20230669	
Nu Film P	A0635	GB and NI	06/10/2022		20222547	
Orosorb Neo	A0928	GB and NI	10/08/2023		20231823	
Standon Shiva	A0865	GB and NI	06/10/2021	30/06/2024	20212208	
Topfilm	A0670	GB and NI	01/01/2023		20230348	
Wetcat Neo	A0927	GB and NI	10/08/2023		20231826	No Document

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Transporter

Transporter



Optimise nematode penetration



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– Benefits

- \\ Rigorously tested and no negative effects on nematode species
- \\ Increases efficacy of each nematode application with less wastage
- \\ Can be used in conjunction with fertilisers
- \\ Works quickly with all substrates
- \\ Nematodes are effectively distributed through the substrate and not just on the surface
- \\ Excellent spreading and penetration characteristics
- \\ High strength product, contains 88% surfactant for superior performance

– How to use

Transporter should only be used when wanting to apply nematodes as drench in to the growing media. You should not use when applying as a foliar treatment.

SUMMARY




- **Adjuvants are regulated products!**
- **Must comply with plant protection product statutory label**
- **Strict use according to specific product recommendations**
- **Adjuvants cannot claim pesticidal activity**
- **Some products do not require entry onto an ‘official list’**
- **COSHH assessments are important**
- **On edible crops use adjuvants at half or lower rate**

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Zest-ICM

 0333 005 0167

 nurseryproduction@hta.org.uk



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