



PESTICIDES POLICY

FRESH PRODUCE

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1.0 Purpose

The purpose of this document is to inform growers, suppliers and other stakeholders to Morrisons' business of our policy on the use of pesticides in the supply of our Fresh Produce.

2.0 Scope

This policy covers all pesticides used on Fresh Produce supplied to Morrisons Supermarkets. Suppliers are to use this in conjunction with IS08f (Morrisons Raw Material Sourcing Policy for Fresh Produce).

3.0 Goal

Morrisons requires the responsible use of pesticides at all times. All suppliers are required to employ the principles of Integrated Pest Management, Good Agricultural Practice and to disclose their use of pesticides on an annual basis to ensure as little pesticide is used as is absolutely necessary. Morrisons aims to phase out the use of Highly Hazardous Pesticides in its supply chains through its Fresh Produce Prohibited and Restricted Pesticide Lists.

4.0 Good Agricultural Practice (GAP) & Integrated Crop Management (ICM)

Morrisons requires that all of its fresh produce is grown using the principles of GAP and that growers are certified to demonstrate compliance with these principles. Therefore, all growers supplying produce to Morrisons must have their production certified as being compliant with a GAP standard such as Red Tractor <https://redtractor.org.uk/> or GLOBALG.A.P. standard <https://www.globalgap.org/>. Certification to equivalent schemes will be considered for concession by the relevant Morrisons Technical Manager. Morrisons employs an independent expert consultancy which supports our Technical teams on all pesticide matters.

ICM is a fundamental part of GAP and is an approach to farming that balances the requirements of running a profitable business with responsibility and sensitivity to the environment. ICM involves promotion of non chemical crop controls and prioritisation of practices that avoid waste, enhance energy efficiency and minimise pollution. Morrisons supports ICM initiatives throughout its supply base.

5.0 Legislation

Following the withdrawal of the United Kingdom from the European Union, suppliers must ensure that they have an understanding of the current relevant legislation. Pesticide use on crops grown in the United Kingdom must comply with the latest regulatory approvals as given in The Pesticides Register Database for on label approvals or the Extension of Authorisation for minor use Database for off label approvals. (see below)

<https://secure.pesticides.gov.uk/pestreg/>
<https://secure.pesticides.gov.uk/offlabels/search.asp>

Pesticide use on crops grown in countries outside the United Kingdom must comply with the approved uses in the country of origin.

Foodstuffs imported into Great Britain must comply with GB MRLs. These are based on the EU MRLs applicable on 31/12/2020, with subsequent modifications. Current GB MRLs may be found here:

<https://secure.pesticides.gov.uk/MRLs/Main>

Foodstuffs imported into Northern Ireland or transferred from Great Britain to Northern Ireland must comply with EU MRLs. Current EU MRLs may be found here:

<https://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/mrls/?event=search.pr>

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6.0 Morrisons Pesticide Control Lists (MPCLs)

MPCLs are processed for each crop country combination. This is the undertaking by which proposed pesticide usage is evaluated. Morrisons uses a wide range of data to formulate its pesticide risk assessments, this includes environmental impact, operator and consumer safety, approved use, legally conforming finished products, GAP and data from external authorities.

The MPCL assigns a risk rating for crop and country of production, and recommends a minimum surveillance frequency for residues throughout a season. This risk rating is based on proposed pesticides submitted for use, horizon scanning (future trends) and historical data. When a supplier submits a pesticide present on the Pesticide Action Network (PAN) Highly Hazardous Pesticides (HHP) list this is flagged to the grower.

6.1 Pesticide Derogation process

To aid transparency, alongside our pesticides policy, Morrisons is sharing its prohibited list of pesticides which it has been developing with its independent expert consultancy; these pesticides are deemed unacceptable for use. The prohibited list will be reviewed regularly and we continue to work on further restricted lists of pesticides which we will publish in due course. The restricted lists provide focus for phase-out of high risk pesticides to ensure alternatives are found at the earliest opportunity. It is Morrisons' intention to work towards phasing these pesticides out.

Where the use of a pesticide on the Restricted List is unavoidable a Derogation Request must be made to the relevant Technical Manager through the independent expert consultancy. This derogation will only be approved if it can be demonstrated that there is no alternative and that mitigating measures are being taken to minimise any harmful impact that the application may cause.

Any use of pesticides on our Prohibited List or unapproved use of pesticides on our Restricted List would be deemed a serious breach of this Pesticide Policy and could result in the removal of Technical Approval of the grower or the supplier.

7.0 Pesticide Residue Analysis

Each supplier to Morrisons must conduct their own Pesticide Residue Analysis at an accredited laboratory (ISO/IEC 17025) that can demonstrate participation in inter-laboratory comparative tests, to ensure the compliance of their crop with this pesticide policy. Furthermore, Morrisons conducts a risk-based Pesticide Surveillance Programme. Crops and countries that are deemed to be high risk are tested more frequently.

7.1 Pesticide Residue Analysis Results

7.1.1 Maximum Residue Level (MRL) Exceedance

An MRL is the Maximum Level of pesticide Residue expected to be found in food that has been produced following good agricultural practice, it is a legal limit and is not indicative of food safety.

In the event of an MRL exceedance in fresh produce supplied to Morrisons, this will be thoroughly investigated by the relevant member of the Morrisons' technical team and our independent expert consultancy to determine the potential impact, the root cause and the corrective action.

Where the residue level exceeds the Acute Reference Dose (ARfD), it is deemed to be a Food Safety issue and our Food Safety Team is notified.

The supplier must immediately conduct a trace forward to determine how much of the product from the affected batch is in the Morrisons' system. If the product is in our stores, it will be withdrawn. If it is in our distribution centres or manufacturing sites it will be rejected.

Where the results of the investigation are satisfactory, corrective actions will be agreed to prevent a recurrence. Where they are not, technical approval may be withdrawn from the grower or the supplier.

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7.1.2 Detections of Unapproved Pesticides

Any residue results that show a pesticide from the Restricted List that has not been approved via derogation will be deemed a serious breach of this policy. The supplier will be required to conduct a root cause analysis and submit their findings and corrective actions for approval by the relevant Technical Manager. If the findings are deemed to be unsatisfactory, technical approval may be withdrawn from the supplier or the grower.

7.1.3 Near Misses

Surveillance results which fall between 80% and 100% of the MRL will be deemed to be a 'near miss'. The supplier will be required to conduct an investigation and submit their findings plus any resulting actions to our independent expert consultancy for approval by the relevant Technical Manager.

7.1.4 Multiple Residues

Where the residue surveillance results show the number of residues found is significantly higher than the norm for the crop and country combination the supplier will be required to conduct a root cause analysis and submit their findings plus any resulting actions to our independent expert consultancy for approval by the relevant Technical Manager.

8.0 Transparency

As a commitment to transparency for our customers and stakeholders Morrisons will publish this policy and its Prohibited and Restricted Lists. These documents will be reviewed periodically.

We shall continue to summarise the results of our Pesticide Surveillance Programme in our Annual Sustainability Report.

We shall continue to share our learnings on pesticides through our grower groups.

9.0 Organic

Morrisons offers an Organic range of fresh produce for those customers who wish to purchase products produced to Organic standards. Our Organic fresh produce range is certified independently to national and international Organic standards.

10.0 Pollinators

Morrisons encourages its suppliers to monitor pollinator populations. Suppliers are required to explore less toxic control methods prior to using Bee toxic neonicotinoids in order to be able to justify why alternative pest control methods are not an option. Morrisons is running a program called 'Project pollinator'. This project began at Chippindales, a wholly owned subsidiary of Morrisons who supply Morrisons free range own brand shell eggs. This project is in the process of being rolled out to our UK fresh produce growers to encourage farmers to plant bee friendly habitats on their farms. Morrisons supply seed mix to farmers at competitive prices to minimise barriers for farmers planting bee strips. We also provide guidance on how to apply for Countryside Stewardship grants.

Morrisons Bee Pack PDF:

<https://drive.google.com/file/d/1BY-oE7zWcdqFNThWAIWVS7GU825bRRo/view?usp=sharing>

Morrisons continues to review the use of pesticides with specific toxicity to bees and other pollinators and highlight these in our MPCLs. Morrisons actively encourage our growers and suppliers to find alternative pesticides with less toxicity and to monitor pollinator populations. We are currently evaluating the global use of neonicotinoids in our fresh produce supply base together with our independent expert consultancy firm. Proposed uses of the three nitro-neonicotinoids: clothianidin, imidacloprid and thiamethoxam are being studied as part of a stewardship program.

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11.0 Supporting Suppliers

Morrisons Technical Team is based in the UK and overseas in key sourcing countries, (Spain, South Africa, Peru, Costa Rica and The Netherlands). These teams are supplier facing and include qualified agronomists who work closely with our global supply base to ensure sourcing of fresh produce that meets Morrisons standards and complies with UK legislation. Our multilingual team promotes the sharing of best practices related to ICM, pesticide reduction and HHP stewardship.

Morrisons have launched a series of grower groups focused on Integrated Pest Management (IPM). These groups have been organised in conjunction with our independent expert consultancy firm, to share best practice and promote development of novel techniques through encouraging collaborative work. We are also working with our supply base to reduce post harvest treatments and evaluate new natural alternatives. As a next phase to our grower groups we will focus on opportunities to assist with research for Bio pesticide producers.

Morrisons are members of The UK Government funded Agri-tech centre for Crop Health and Protection (CHAP). Information is circulated to suppliers through our Technical and At Source Technical Team where relevant.

Appendix 1

Morrisons Fresh Produce Prohibited Pesticide List.

1,2-dibromoethane
1,2-dichloroethane
2,4,5-T
Acetochlor
Alachlor
Aldicarb
Aldrin
Anthraquinone
Azinphos-ethyl
Azinphos-methyl
Azobenzene
Azocyclotin
Binapacryl
Bromethalin
Cadmium compounds
Calcium arsenate
Calcium cyanide
Camphechlor (Toxaphene)
Captafol
Carbofuran
Chlordane
Chlordecone
Chlordimeform
Chlorethoxyfos
Chlorfenvinphos
Chlormephos
Chlorobenzilate
Chlorophacinone
Cyhexatin
DDT
Demeton-S-methyl
Dieldrin
Difethialone

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Dinoseb
 Dinoterb
 Disulfoton
 DNOC
 Endosulfan
 Endrin
 EPN
 Ethion
 Ethylene oxide
 Etrimfos
 Fentin acetate (Triphenyltin acetate)
 Fluazolate
 Fluoroacetamide
 Guazatine
 HCH-alpha
 HCH-beta
 HCH-delta
 HCH-gamma (Lindane)
 Heptachlor
 Hexachlorobenzene
 Mercury compounds
 Methamidophos
 Methyl bromide
 Mirex
 Monocrotophos
 Oxydemeton-methyl
 Parathion
 Parathion-methyl
 Pentachlorophenol
 Phenyl mercury acetate
 Phorate
 Phosphamidon
 Pyrazoxon
 Silafluofen
 Sodium arsenite
 Sodium fluoroacetate
 Sulfotep
 Tebupirimfos
 Temephos
 Vinclozolin
 Warfarin

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