

A: How to look up approvals of pesticide active substances

B: How to find the MRL by commodity

Background

Understanding pesticide results in feed materials is important to ensure there are, firstly no regulatory breaches for feed materials for dual use and secondly that there are no red flags that suggest good agriculture practice has not been adhered to.

Example 1

Result detected levels	Maize (USA)	Barley	DDGS (Maize)
Active Pendimethalin	0.02 (mg/kg)	0.02 (mg/kg)	0.1 (mg/kg)

1. Click on the EU pesticide **database** and choose “Search active substances” on the left-hand menu.
2. Enter **Pendimethalin** into the search bar on the right-hand side of the screen and you will note it is **Approved**
3. Expand the results by clicking on **+** on the left-hand side of the screen.
4. Scroll down the page and click **MRLs**. This will bring you to the **Current MRL values** page.
5. In the search bar
 - a. Enter ‘Maize’, you will note an MRL of 0.05 mg/kg
 - b. Enter ‘Barley’, you will note an MRL of 0.05 mg/kg
 - c. Enter ‘DDGS’. As this is a feed material only the result is ‘No matching records found’. This is because there are no MRL’s published for feed currently. Therefore, you should note an MRL of 0.05 mg/kg i.e. the MRL for Maize. Distiller's Dried Grains with Soluble (DDGS) is the dried residue remaining after the starch fraction of maize (Corn DDGS).

Active ingredient	Maize	Barley	DDGS (Maize)
Pendimethalin Detected levels	0.02 (mg/kg)	0.02 (mg/kg)	0.1 (mg/kg)
EU approved?	Approved	Approved	Approved
EU MRL	0.05 (mg/kg)	0.05 (mg/kg)	0.05 (mg/kg)
Comment	Below MRL	Below MRL	Above MRL
Potential Use	Food and Feed	Food and Feed	Feed

Example 2

Result detected levels	Soybean meal (USA)	Barley	DDGS (Maize)
Active Acetochlor	0.02 (mg/kg)	0.01 (mg/kg)	0.053 (mg/kg)

1. Click on the EU pesticide **database** and choose “Search active substances” on the left-hand menu.
2. Enter Acetochlor into the search bar on the right-hand side of the screen and you will note it is **Not Approved**
3. Expand the results by clicking on **+** on the left-hand side of the screen.
4. Scroll down the page and click **MRLs>** This will bring you to the **Current MRL values** page.
5. In the search bar
 - a. Enter ‘Soyabean’.As soybean meal is a feed material only, and there are no MRL’s published for feed currently, you will note an MRL of 0.01 mg/kg.
 - b. Enter ‘Barley’, you will note an MRL of 0.01 mg/kg.
 - c. Enter ‘DDGS’. As this is a feed material only the result is ‘No matching records found’. This is because there are no MRL’s published for feed currently. Therefore, you should note an MRL of 0.05 mg/kg i.e. the MRL for Maize. Distiller's Dried Grains with Soluble (DDGS) is the dried residue remaining after the starch fraction of maize (Corn DDGS).

Result detected levels	Soyabean meal (USA)	Barley	DDGS (Maize)
Active Acetochlor	0.02 (mg/kg)	0.01 (mg/kg)	0.053 (mg/kg)
EU approved?	No	No	No
EU MRL	0.01 (mg/kg)(Soybean)	0.01 (mg/kg)	0.01 (mg/kg)
Comment	Above MRL for Soybean	At the MRL	Above MRL for Maize
Potential Use	Feed	Food and Feed	Feed