



Crop Science—Agribusiness

Connect™ User Guide

July 2020

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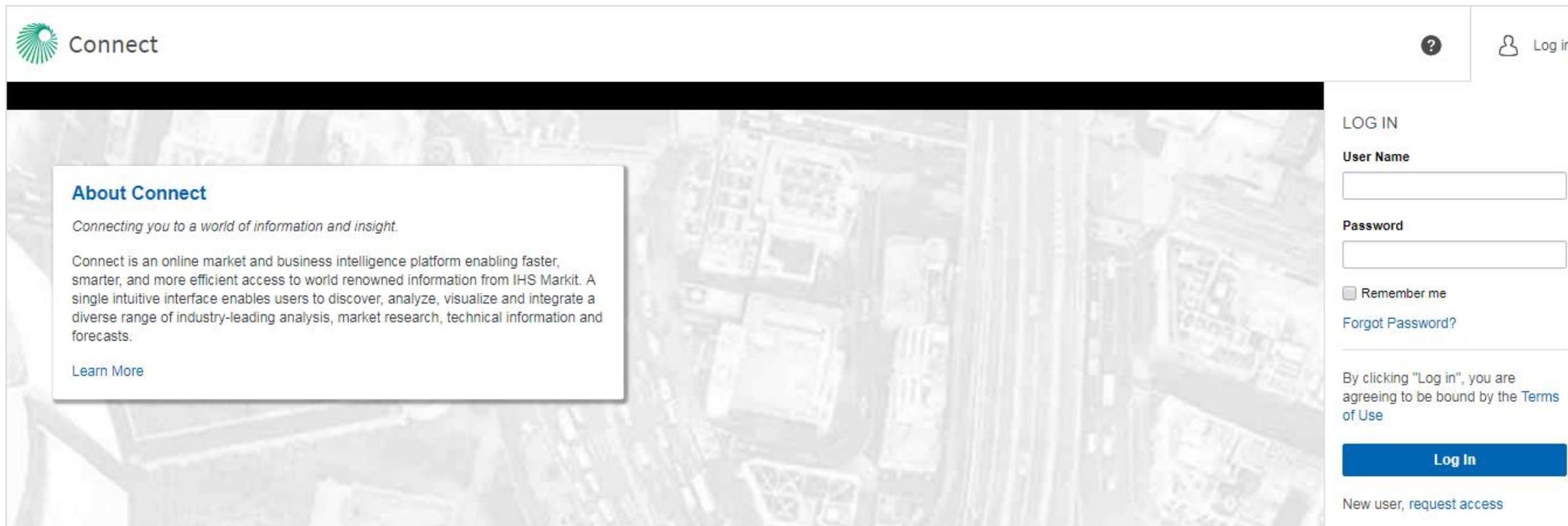
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Connect Login Instructions

Connect Login Instructions

Go to connect.ihsmarkit.com and log in with your Username and Password.

Click on 'Forgot Password?' to reset your password.



The screenshot shows the Connect login interface. On the left, there is a navigation bar with the 'Connect' logo and a 'Log in' button with a user icon. Below the navigation bar is a large banner image of a city street. On the right side of the banner, there is a 'LOG IN' section. This section contains a 'User Name' input field, a 'Password' input field, a 'Remember me' checkbox, and a 'Forgot Password?' link. Below these fields is a blue 'Log In' button and a link for 'New user, request access'. A small help icon (?) is located in the top right corner of the banner area.

About Connect
Connecting you to a world of information and insight.

Connect is an online market and business intelligence platform enabling faster, smarter, and more efficient access to world renowned information from IHS Markit. A single intuitive interface enables users to discover, analyze, visualize and integrate a diverse range of industry-leading analysis, market research, technical information and forecasts.

[Learn More](#)

LOG IN

User Name

Password

Remember me

[Forgot Password?](#)

By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

[New user, request access](#)

Connect New User Registration

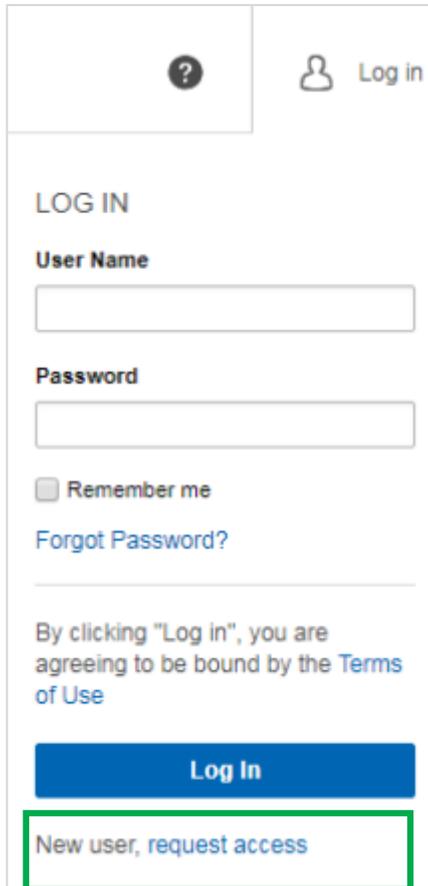
Go to connect.ihsmarkit.com and request access.



Follow 4 steps for Connect registration



Go to connect.ihsmarkit.com and login



? Log in

LOG IN

User Name

Password

Remember me

[Forgot Password?](#)

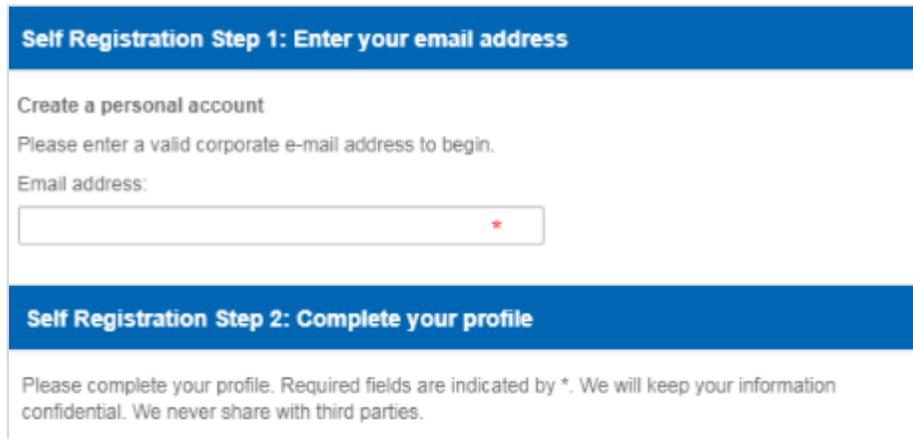
By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

[New user, request access](#)

1. Enter your corporate email address.
2. Complete your profile. (Enter Connect in the Product Used field)
3. Accept the terms of service.
4. Complete Your Registration

Once you are provided with access, you will receive an email confirmation from customercare@ihsmarkit.com with your login instructions.



Self Registration Step 1: Enter your email address

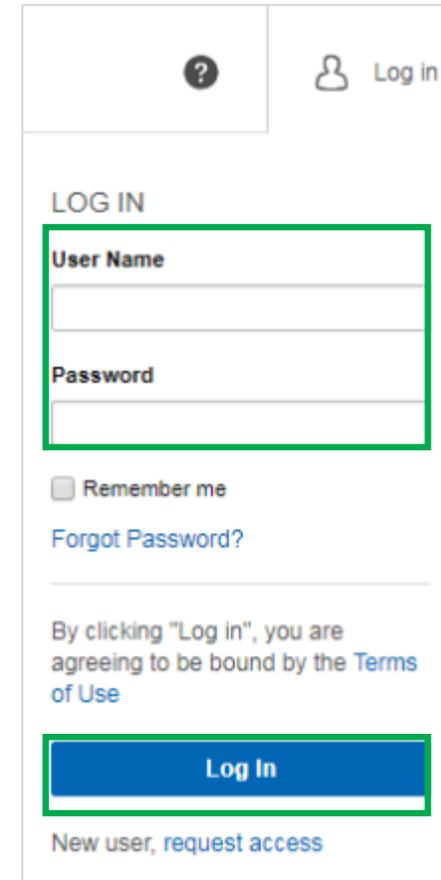
Create a personal account

Please enter a valid corporate e-mail address to begin.

Email address:

Self Registration Step 2: Complete your profile

Please complete your profile. Required fields are indicated by *. We will keep your information confidential. We never share with third parties.



? Log in

LOG IN

User Name

Password

Remember me

[Forgot Password?](#)

By clicking "Log in", you are agreeing to be bound by the [Terms of Use](#)

Log In

[New user, request access](#)

Agribusiness

Agribusiness

At IHS Markit, we have made some exciting changes to the Agribusiness market reporting services, which have now joined the IHS Markit's flagship information delivery platform Connect.

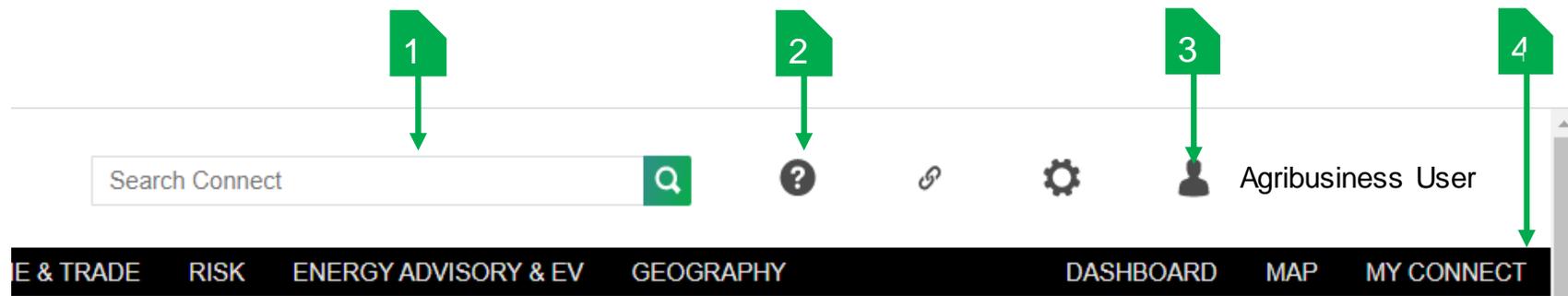
In order to better align to the industry, and to integrate services within the Connect platform, each service has been renamed:

- Agrow - Renaming as Crop Science
- Animal Pharm - Renaming as Animal Health
- IEG Vu - Renaming as Food and Agricultural Commodities
- IEG Policy - Renaming as Food and Agricultural Policy

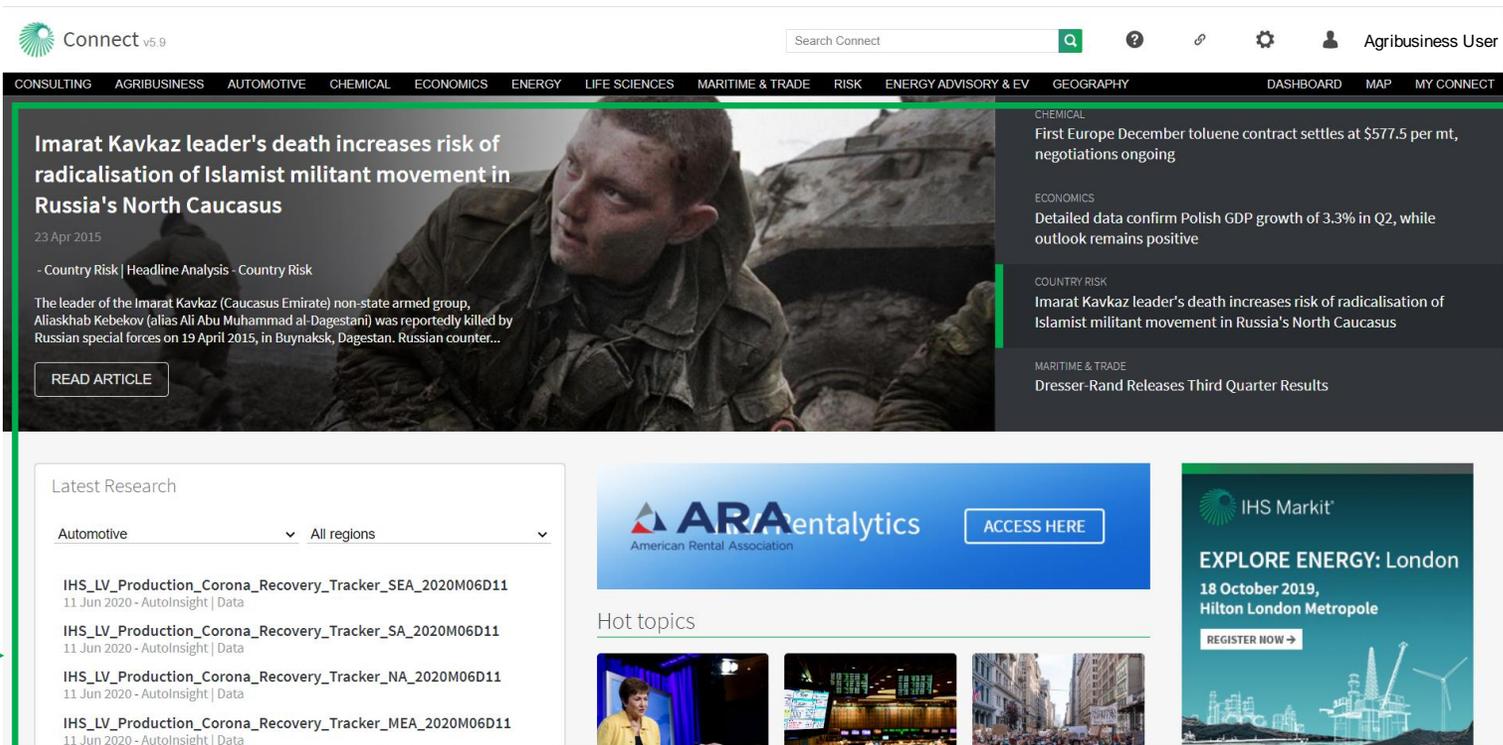
As part of our commitment to delivering greater value to our clients. You will continue to receive your usual Agribusiness market reporting content, produced by the expert analysts and research teams on an ongoing basis, with a number of additional benefits:

- Easier navigation between and across market areas
- More intuitive online and mobile experience
- Deeper personalization experience

Connect Home Page



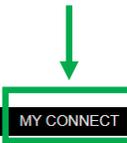
- 1. Search:** General Search across connect.
- 2. Help:** Contact details for customer care.
- 3. Profile:** Update password, log out & personal contact details.
- 4. My Connect:** Manage email alerts and saved content.
- 5. Content:** Filter Latest Research within your subscriptions by IHS Markit Business Line and global region.



My Connect

My Connect

Click on **My Connect** in the black menu bar to manage your Email Notifications and retrieve your Saved Content.

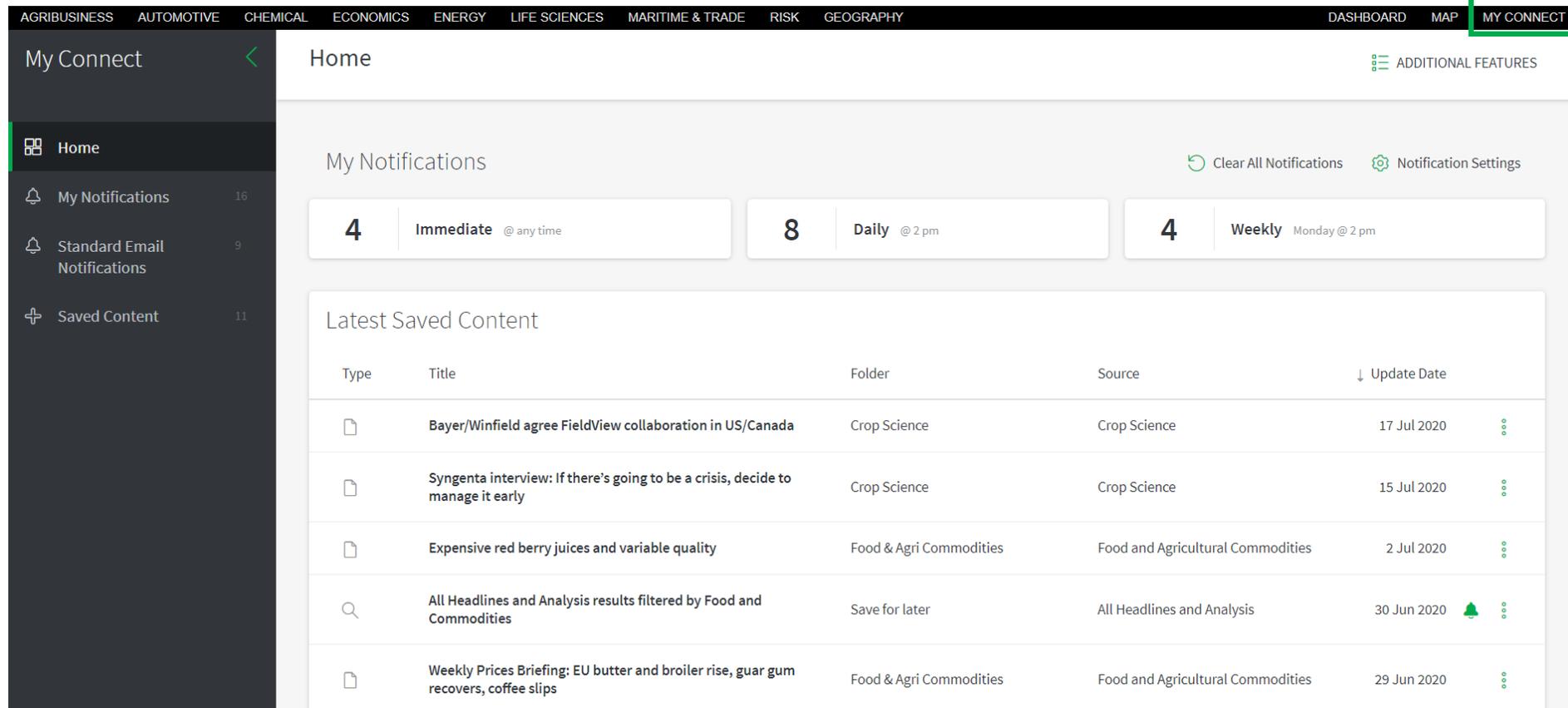


Home: View your selected notifications and latest saved content.

My Notifications: View your selected email notifications by type (Immediate, Daily, Weekly).

Standard Email Notifications: A listing of all available email notifications within your subscription.

Saved Content: Retrieve and edit your saved content by type and folder.



AGRIBUSINESS AUTOMOTIVE CHEMICAL ECONOMICS ENERGY LIFE SCIENCES MARITIME & TRADE RISK GEOGRAPHY DASHBOARD MAP **MY CONNECT**

My Connect < Home

My Notifications 16

Standard Email Notifications 9

Saved Content 11

Home

My Notifications Clear All Notifications Notification Settings

4 Immediate @ any time

8 Daily @ 2 pm

4 Weekly Monday @ 2 pm

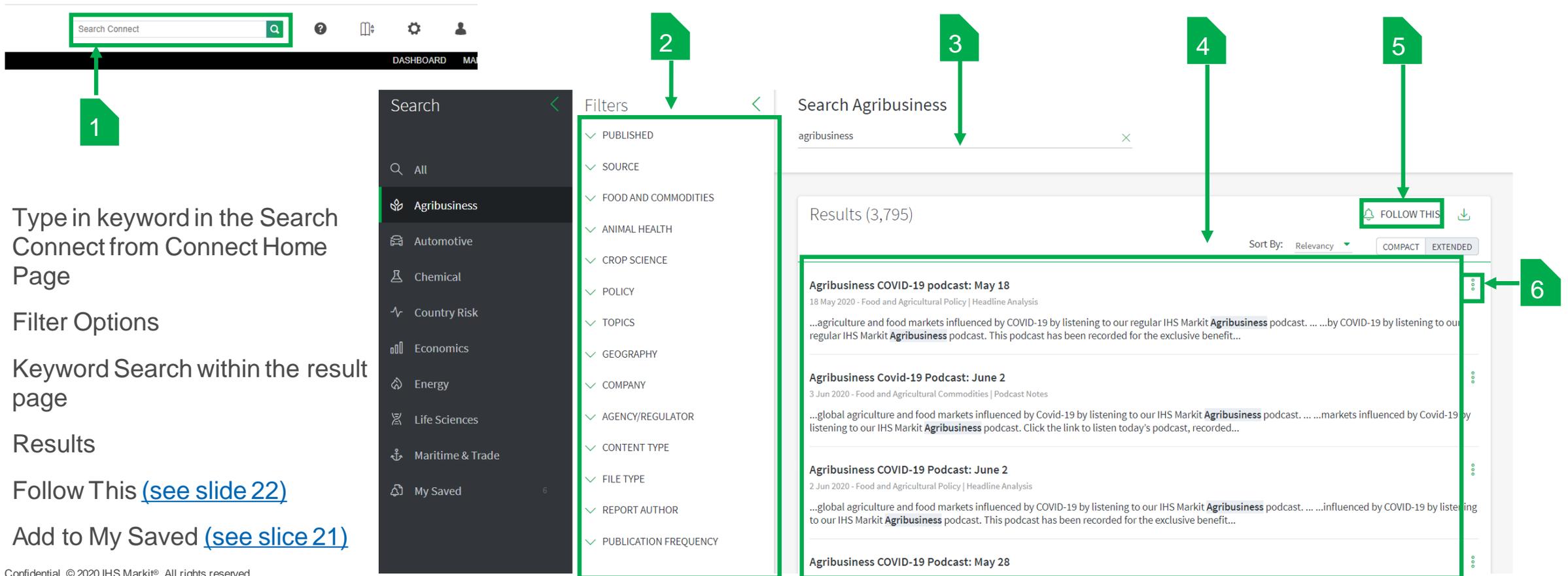
Latest Saved Content

Type	Title	Folder	Source	Update Date
📄	Bayer/Winfield agree FieldView collaboration in US/Canada	Crop Science	Crop Science	17 Jul 2020
📄	Syngenta interview: If there's going to be a crisis, decide to manage it early	Crop Science	Crop Science	15 Jul 2020
📄	Expensive red berry juices and variable quality	Food & Agri Commodities	Food and Agricultural Commodities	2 Jul 2020
🔍	All Headlines and Analysis results filtered by Food and Commodities	Save for later	All Headlines and Analysis	30 Jun 2020
📄	Weekly Prices Briefing: EU butter and broiler rise, guar gum recovers, coffee slips	Food & Agri Commodities	Food and Agricultural Commodities	29 Jun 2020

General Search

General Search

To search for article and analysis across Agribusiness and other services you are subscribed to in Connect, use the general search bar at the top of the page. Start by typing in the keyword into the **Search Connect** field, then click on the green magnifier glass icon. Once in the result page, use the filter options to narrow down your search even further.



1. Type in keyword in the Search Connect from Connect Home Page
2. Filter Options
3. Keyword Search within the result page
4. Results
5. Follow This [\(see slide 22\)](#)
6. Add to My Saved [\(see slice 21\)](#)

Navigation

Agribusiness Mega Menu

In Connect, hover over **Agribusiness** in the black menu bar to browse Agribusiness services.

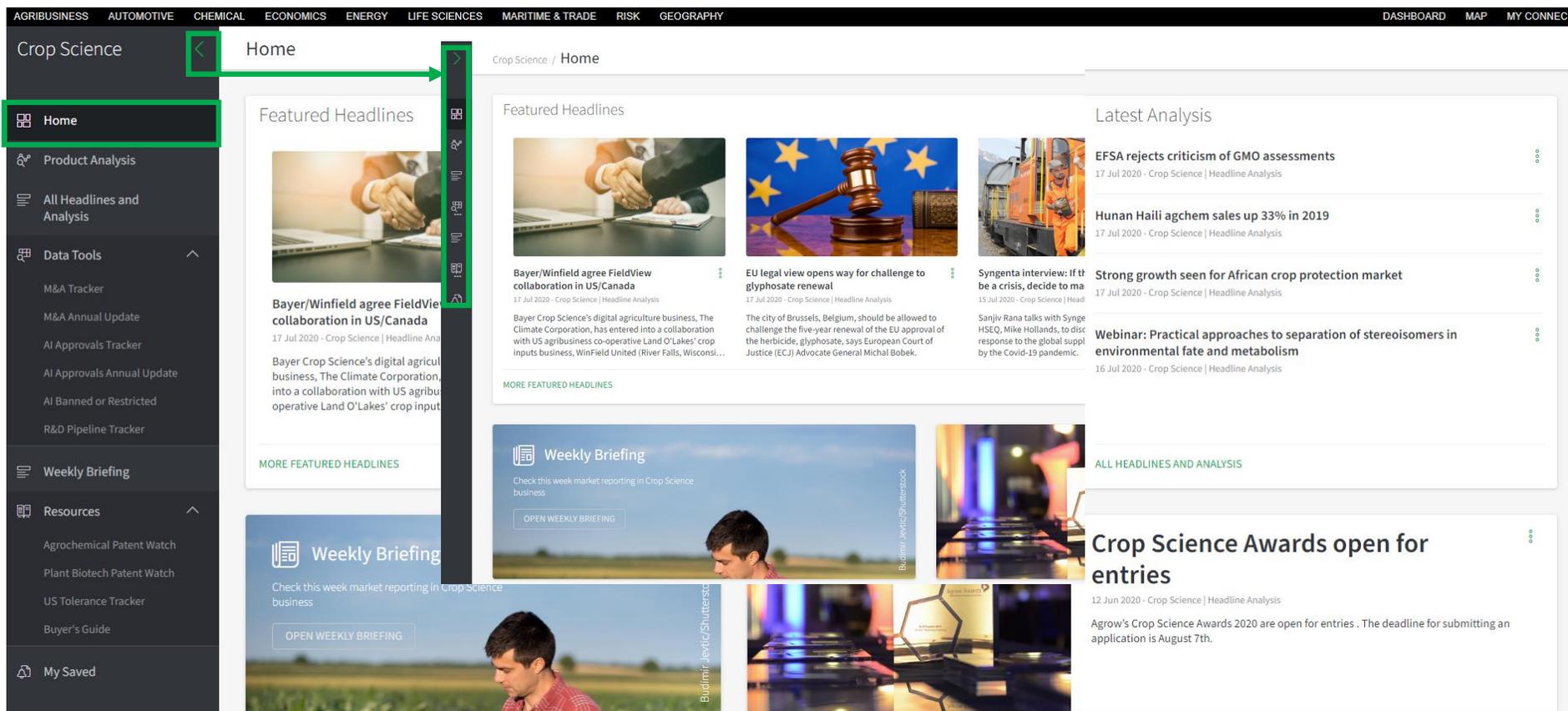
Click to access relevant **Market Reporting** service, you will be able to access only what is part of your subscription.

Quick access to relevant **Tools, Related Products and Platforms, and Events** within the Agribusiness portfolio. You will be able to access only what is part of your subscription.

Keyword search directs to the relevant All Headlines and Analysis.

Crop Science – Home

The **Home** page features a series of widgets highlighting Crop Science Content. Once you have entered the Crop Science dedicated area, on the left side you will note the menu bar where you can access your Crop Science markets reporting articles, analysis and data tools. The menu bar can be reduced by clicking on the pushback arrow.



Content is categorized into:

- > Featured Headlines
- > Latest headlines
- > Weekly Briefing
- > Featured Articles
- > Business
- > Regulatory
- > Product
- > Market Reviews
- > Data Tools and Resources

Market Reporting

Accessing Articles and Analysis

All articles and analysis have the same standardized layout. At the top of the page you will find a series of **Article Tools**, at the bottom of the page you will find **Contact me for Discussion** previously known as ask the analyst.

Article Tools



EFSA rejects criticism of GMO assessments

17 Jul 2020 - Crop Science | Headline Analysis - Europe

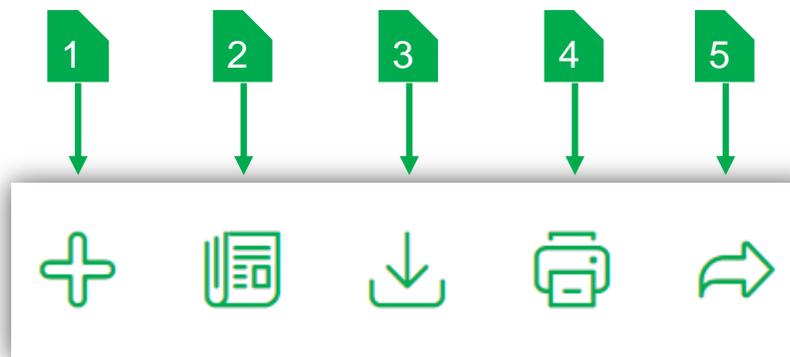
Author



The European Food Safety Authority (EFSA) has dismissed a report claiming that EU assessments for approvals of genetically modified crops are inadequate. The Risk Assessment of Genetically Engineered Organisms in the EU and Switzerland (RAGES) project, conducted by a consortium of scientists and anti-GMO campaigners, highlighted several shortcomings in risk assessments. However, following a review of the main scientific arguments, the EFSA confirms that its risk assessment and data requirements are adequate and sufficient for the evaluation of current GMOs.

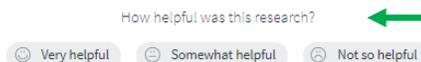
Contributors to the RAGES project are the European Network of Scientists for Social and Environmental Responsibility and its Swiss branch, Critical Scientists Switzerland, together with GeneWatch UK and Testbiotech. The project ran from 2016 to 2019. It claims that the EU process does not adequately assess risks from: herbicide-tolerant crops on animal and human health; nutritionally altered crops; crops combining different traits; crops that can persist and spontaneously propagate in the environment; and crops produced using new GM technologies.

But the EFSA says that its assessments are consistent with applicable EU legislation and internationally agreed standards. The Authority says that it has more than 20 years of experience in this area and conducts a continued scientific review of all relevant evidence by following scientific and technical developments in the GMO area. It concludes that the RAGES project contains no information that would cause the EFSA to reconsider any of its previous assessments of GM crops.



1. **Add to My Saved** – To bookmark content and save to My Saved folder for later access
2. **Add to Report** – To save content to be added to your customised report
3. **Export** – Exports to PDF for desktop download
4. **Print**
5. **Send a Copy** – Send a link to the article to another Connect user

Contact me for discussion previously known as Ask the Analyst



Feedback



Contact Me for Discussion

Contact Me for Discussion, previously known as “Ask The Analyst”, is located at the bottom of each article and available as part of your subscription.

The service enables you to contact our market experts and analyst teams with your question around specific articles within our market coverage.

With **Contact Me for Discussion** you can:

- > Request background information on, or further detail about, analysis that we have published
- > Ask for supplementary data relating to published analysis
- > Seek our views on how industry developments might affect your business or organisation

To Log a request

- Click on the **Please contact me for discussion**
- Fill out the **Feedback Message**
- Click **Send**

How helpful was this research?

Very helpful Somewhat helpful Not so helpful

Please contact me for discussion

Feedback Message

First Name: IHS Last Name: Markit

Email Address: IHS.Markit@ihsmarkit.com Phone number: 0800 000 000

Company: IHS MARKIT

Message

Message is required.

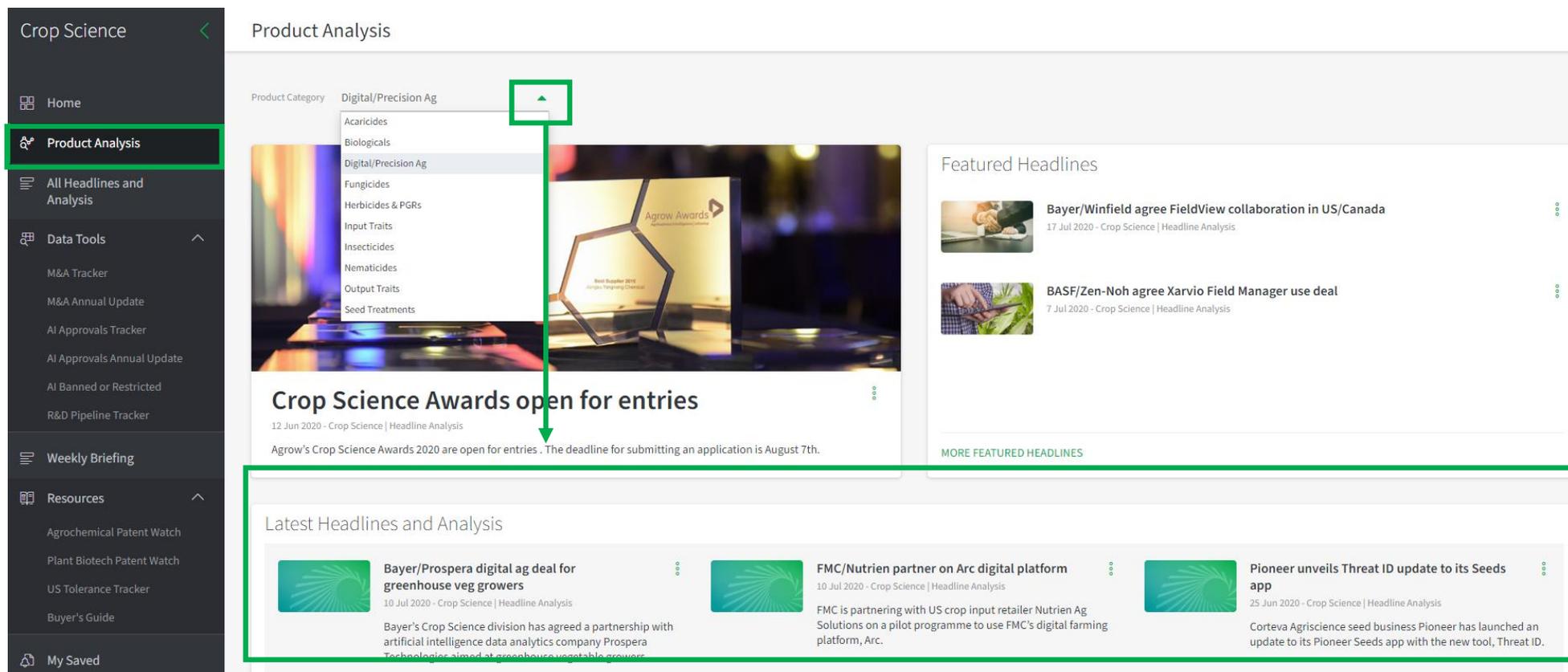
CANCEL SEND

Headlines & Analysis

Product Analysis

Product Analysis is a dedicated page with **Featured** and the **Latest** Headlines & Analysis across the crop science industry.

Use the drop-down **Product Category** menu to choose the area of interest, the related content will populate in the latest headlines and analysis box below.



Product Analysis

Product Category: Digital/Precision Ag

- Acaricides
- Biologicals
- Digital/Precision Ag
- Fungicides
- Herbicides & PGRs
- Input Traits
- Insecticides
- Nematicides
- Output Traits
- Seed Treatments

Featured Headlines

- Bayer/Winfield agree FieldView collaboration in US/Canada**
17 Jul 2020 - Crop Science | Headline Analysis
- BASF/Zen-Noh agree Xarvio Field Manager use deal**
7 Jul 2020 - Crop Science | Headline Analysis

Latest Headlines and Analysis

- Bayer/Prospera digital ag deal for greenhouse veg growers**
10 Jul 2020 - Crop Science | Headline Analysis
Bayer's Crop Science division has agreed a partnership with artificial intelligence data analytics company Prospera Technologies aimed at greenhouse vegetable growers.
- FMC/Nutrien partner on Arc digital platform**
10 Jul 2020 - Crop Science | Headline Analysis
FMC is partnering with US crop input retailer Nutrien Ag Solutions on a pilot programme to use FMC's digital farming platform, Arc.
- Pioneer unveils Threat ID update to its Seeds app**
25 Jun 2020 - Crop Science | Headline Analysis
Corteva Agriscience seed business Pioneer has launched an update to its Pioneer Seeds app with the new tool, Threat ID.

All Headline and Analysis

All Headline and Analysis contains **all** market reporting for Crop Science, with a comprehensive filter menu and keyword search to quickly narrow down the access to the focus area.

To save or share a specific article click on the three dots **Icon** to bring up the pop-up screen. Any content saved will appear in the My Saved located within the main menu bar.

The screenshot illustrates the workflow for finding and saving content. It is divided into three main sections:

- Filter options:** A sidebar menu on the left shows 'All Headlines and Analysis' selected. A 'Filters' panel is open, listing categories like PUBLISHED, CROP SCIENCE, TOPICS, GEOGRAPHY, COMPANY, and AGENCY/REGULATOR. The 'TOPICS' section is expanded, showing sub-categories like Biologicals, Digital/Precision Ag, Fungicides, etc., with 'Biologicals' checked.
- Keyword Search:** The main header area contains a search bar labeled 'All Headlines and Analysis'. Below it, filters for 'Agribusiness' and 'Biologicals' are applied.
- Result:** A list of search results is shown, including articles like 'Brazil Ag Ministry approves two new biologicals' and 'FMC interview: We can already demonstrate the impact of biologicals on row crops'. A green box highlights the 'three dots icon' on the right side of each article, which opens a menu with options like 'Save to My Connect' and 'Share'.

Further filter options highlighted in green arrow

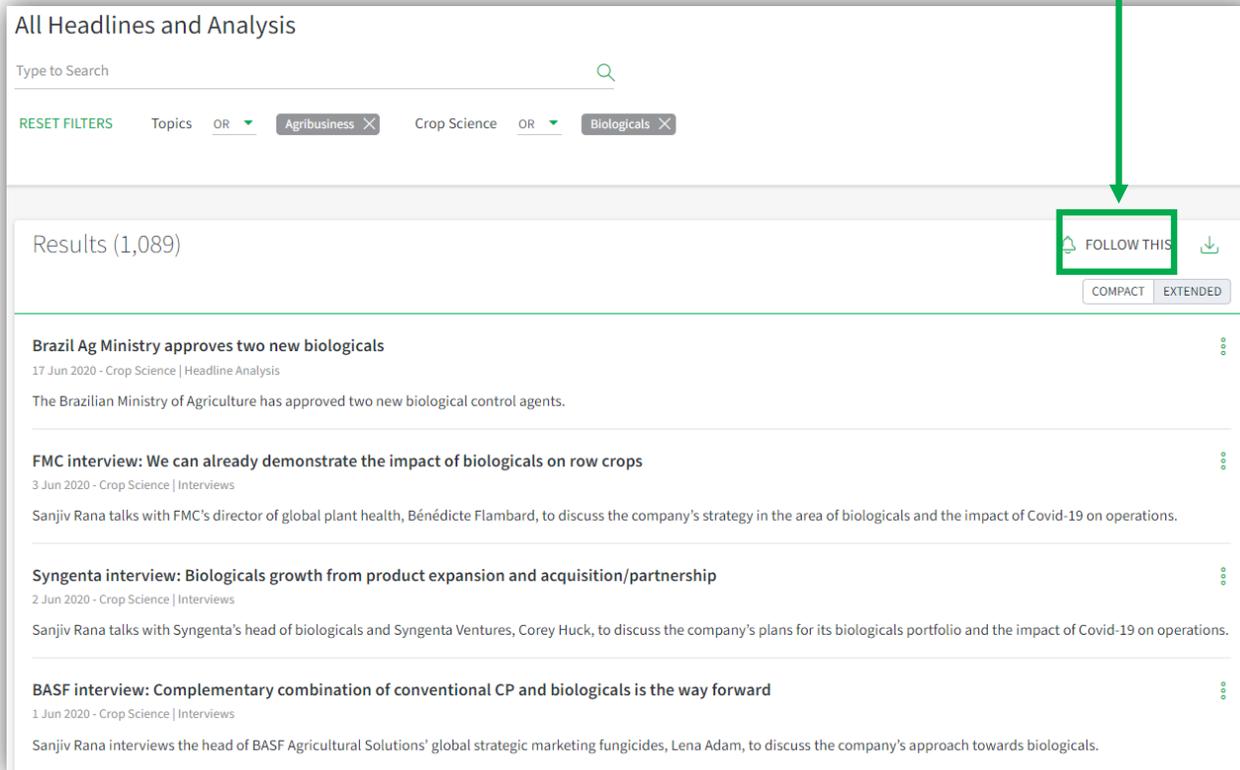
Add to my Saved
 The three dots **Icon** will bring a pop up screen options:

- Save to My Connect, to bookmark content
- Share content, to send the link to an email address

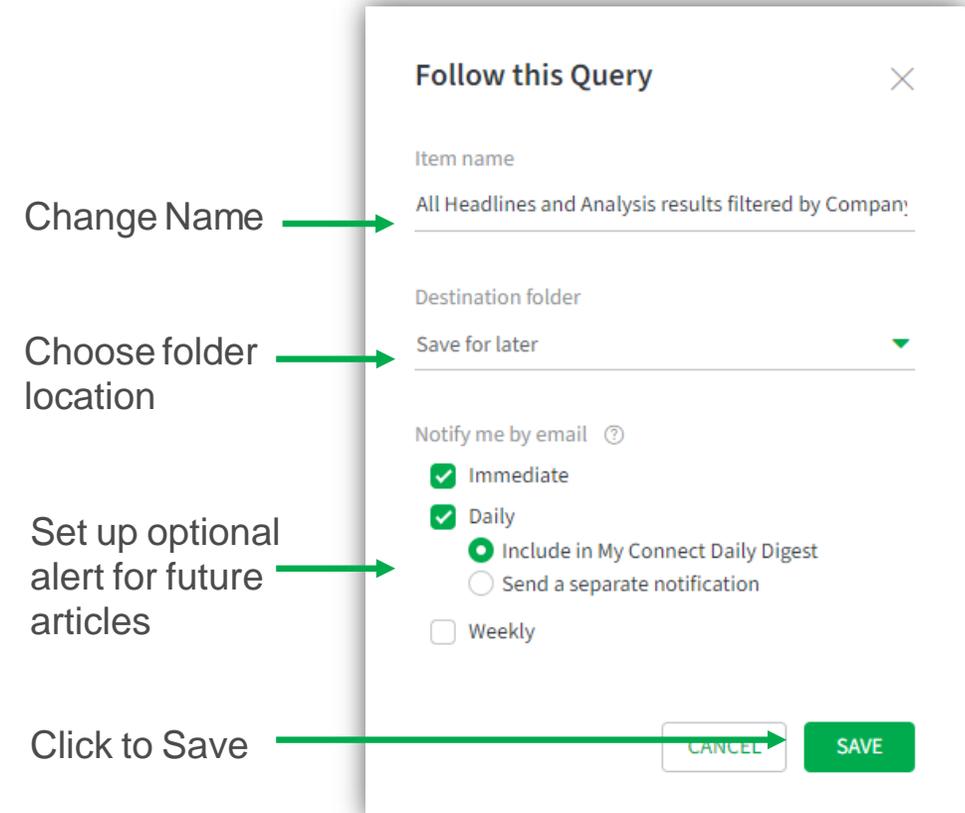
All Headline and Analysis – Follow This

To save a search and be alerted when new articles and analysis meeting your criteria are published, set your criteria, Click on **Follow This**, fill in **Follow this Query** form then click on **Save**.

Follow This



The screenshot shows a search results page titled "All Headlines and Analysis". At the top, there is a search bar and filter options for "Agribusiness", "Crop Science", and "Biologicals". Below the filters, there is a "Results (1,089)" section. In the top right corner of this section, there is a "FOLLOW THIS" button with a bell icon, which is highlighted by a green box and a green arrow pointing to it from the text "Follow This" above. Below the button are "COMPACT" and "EXTENDED" view options. The main content area displays several search results, each with a title, date, and category, and a three-dot menu icon to the right.



The screenshot shows a modal form titled "Follow this Query". It contains the following fields and options:

- Item name:** "All Headlines and Analysis results filtered by Company" (indicated by a green arrow labeled "Change Name").
- Destination folder:** "Save for later" (indicated by a green arrow labeled "Choose folder location").
- Notify me by email:**
 - Immediate
 - Daily
 - Include in My Connect Daily Digest (indicated by a green arrow labeled "Set up optional alert for future articles")
 - Send a separate notification
 - Weekly
- Buttons:** "CANCEL" and "SAVE" (indicated by a green arrow labeled "Click to Save").

Data Tools

Crop Science – Data Tools

M&A Tracker

- It provides a monthly summary of significant mergers, acquisitions and deals in the agribusiness sector. The dashboard summarizes all events reported by Crop Science since 2014 to date.
- Filter by company, reporting year or search by keywords on M&As of interest.

M&A Annual Update

- It contains all mergers, acquisitions and deals within crop protection arranged in separate annual tables for each year since 2014. All the data from these annual tables is fed into the M&A tracker, which is a searchable database of the same information.

AI Approvals Tracker

- It provides a monthly summary of agrochemical and biological active ingredients coming through the regulatory process as approved, proposed for approval or launched.
- The dashboard summarises all regulatory actions reported by Crop Science since January 2015. The original, published articles summarise all the regulatory actions reported by Crop Science in those individual years and contain links to the original articles.
- Filter by company, country, use or active ingredient

AI Approvals Annual Update

- It contains all agrochemical or biological active ingredients approved or launched arranged in separate annual tables for each year since 2015. All the data from these annual tables is fed into the AI Approvals tracker, which is a searchable database of the same information.

AI Banned or Restricted

- It is a new tool being developed this year. It contains all active ingredients banned or restricted in various countries and regions across the world since January 2019. This will ultimately be developed into a new tracker.

R&D Pipeline Tracker

- R&D Pipeline Tracker monitors new active ingredients and mixtures progressing through the crop protection R&D process.
- It is also a useful reference for historic R&D codes.
- The Search Status filter allows you to view the materials currently under active tracking by the Crop Science team.

Data Tools - M&A Tracker

Crop Science <

- Home
- Product Analysis
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 - M&A Tracker**
 - M&A Annual Update
 - AI Approvals Tracker
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 - AI Banned or Restricted
 - R&D Pipeline Tracker
- Weekly Briefing
- Resources >
 - Agrochemical Patent Watch
 - Plant Biotech Patent Watch
 - US Tolerance Tracker
 - Buyer's Guide
- My Saved

M&A Tracker

Agrow's M&A Tracker

1. Select Company

2. Select Reporting Year

3. Keyword search within the tracker

Reportin..	Company 1	Company 2	Deal description
Apr 2020	BASF	Amoeba	BASF and French biologicals company Amoeba agreed a deal to evaluate the performance of Amoeba's lysate-based biofungicide, Willaertia magna CzC Maky
Mar 2020	BASF	Agco	BASF and Brazilian agricultural equipment manufacturer Agco agreed to collaborate on BASF's Operation Weed Eradication initiative to promote on-farm eradication of pigweed (Amaranthus spp) in the US
		Delair	BASF and French visual data management solutions company Delair agreed a global deal to accelerate BASF's research and development projects in varietal selection and crop protection
Nov 2019	BASF	Bosch	BASF and German technology provider Bosch agreed to expand their ongoing collaboration in digital agriculture
		WinField United	BASF entered into a collaboration with US agribusiness co-operative Land O' Lakes' crop inputs business, WinField United, to enable growers and retailers to access digital farming solutions across multiple platforms
Oct 2019	BASF	NRGene	BASF agreed to collaborate with Israeli genomics technology company NRGene using the latter's cloud-based artificial intelligence software for BASF soybean research projects
Aug 2019	BASF	Ontera	BASF and US molecular diagnostics company Ontera agreed a research collaboration to detect disease and resistance in plants using Ontera's molecular diagnostics platform
		Taranis	BASF and Israeli precision agriculture company Taranis entered into a collaboration to provide farmers in Brazil with crop monitoring solutions
Jun 2019	BASF	Euralis Semences	BASF signed a distribution agreement with French seed company Euralis Semences to enter the sunflower seed market

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5. Download result

1. Select company
2. Select reporting year
3. Keyword search within the tracker
4. Download result

Data Tools - M&A Annual Update

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- Plant Biotech Patent Watch
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1. Click to open the **M&A Annual Update** Data Tool
2. Use **Follow This** to set up an alert on this topic and/or add to **My Saved** content
3. Access **Archive** to access the earlier versions of the M&A Annual Update Data Tool

Mergers, acquisitions and deals in 2020

06 Jul 2020 • Crop Science | Scheduled Update

 Sanjiv Rana
Managing Editor

A monthly listing of the mergers, acquisitions and deals in 2020, with links to the original articles.

JANUARY

Australian biopesticide company **AgBiTech** entered into a distribution agreement with UPL for the viral insecticides, Fawlligen (*Spodoptera frugiperda* multiple nucleopolyhedrovirus strain 3AP2) and Heligen (*Helicoverpa zea* ABA nucleopolyhedrovirus) in multiple African countries.

Bayer and US agrochemical and pharmaceutical discovery technology company Atomwise agreed to continue the development of two crop protection programmes.

Corteva Agriscience agreed an exclusive one-year evaluation deal with UK biological crop protection company Eden Research on its encapsulation technology.

Corteva Agriscience and Chinese company Lier Chemical agreed to set up a joint venture in the Sichuan province of China.

Indian company **Crystal Crop Protection** acquired three chlorpyrifos-based insecticide brands from Corteva Agriscience: Dursban, Predator and Nurelle-D.

Canadian biologicals company **Terramera** agreed to lead a cross-industry collaboration, the Canadian Digital Technology Supercluster, to develop new pest and disease control solutions.

FEBRUARY

ChemChina subsidiary **Adama** and Israeli biopesticide company STK Bio-ag Technologies agreed an exclusive distribution deal for two STK *Metaleuca alternifolia* extract-based biofungicides in Ecuador.

ChemChina subsidiary **Adama** and US seed company S&W Seed agreed to collaborate on the development of a weed control system, Double Team, for sorghum.

Bayer's Crop Science division and French biotechnology company **Meiogenix** agreed to collaborate on the development of Meiogenix's proprietary technologies related to plant breeding and genome editing applications.

US technology company **Cibus** formed a licensing and commercialisation partnership with Chinese Rotam Trait Development Company for non-genetically modified herbicide tolerance traits for rice.

Portuguese company Rovensa's biostimulant and biocontrols company, **Idai Nature**, acquired Agrichem Bio and Even Agro.

M&A Annual Update

Type to Search

Results (1) 🔔 FOLLOW THIS

COMPACT EXTENDED

Mergers, acquisitions and deals in 2020

6 Jul 2020 • Crop Science | Scheduled Update

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📁 ARCHIVE

1 →

3 →

2 ↓

Data Tools - AI Approvals Tracker

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AI Approvals Tracker

Agrow's AI Approvals Tracker

1 2 3 4

Select Company (All) Country (All) Select Use (All) Active Ingredient Keyword Search

Application No.	Country	Use	Active Ingredient	Status
6	US	Biopesticides, Others	Bacillus thuringiensis var kurstaki strain EVB-113-...	Proposed approval
8	Brazil	Insecticides, Acariocides, Ne...	Fluensulfone	Approved
7	Canada	Insecticides, Acariocides, Ne...	Fluensulfone	Proposed approval
	Japan, South Korea...	Insecticides, Acariocides, Ne...	Fluensulfone	Approved
9	Israel, Australia, M...	Insecticides, Acariocides, Ne...	Fluensulfone	Approved
8	Australia	Herbicides, PGRs	Metamitron	Approved
0	US	Biopesticides, Others	Autographa californica multiple nucleopolyhedrov...	Proposed approval
			Chrysodeixis includens nucleopolyhedrovirus isol...	Proposed approval
8	Brazil	Biopesticides, Others	Chrysodeixis includens nucleopolyhedrovirus isol...	Approved
6	US	Biopesticides, Others	Spodoptera frugiperda multiple nucleopolyhedrov...	Approved
7	US	Biopesticides, Others	Pseudomonas chlororaphis strain AFS009	Approved
9	Australia	Insecticides, Acariocides, Ne...	Dinotefuran	Proposed approval
8	EU	Biopesticides, Others	Saccharomyces cerevisiae strain Laso2	Approved
5	US	Biopesticides, Others	Beauveria bassiana strain ANT-03 (bioinsecticide)	Proposed approval
0	Israel	Biopesticides, Others	Cydia pomonella granulovirus (bioinsecticide)	Approved
	Serbia	Biopesticides, Others	Cydia pomonella granulovirus (bioinsecticide)	Approved
	Sweden	Biopesticides, Others	Cydia pomonella granulovirus (bioinsecticide)	Approved

multiple nucleopolyhedrovirus strain R3 (bioinsecticide) & Chrysodeixis includens nucleopolyhedrovirus isolate 460 (bioinsecticide)

Company	Trade Name	Partner Ais	Crop
ChrysoGen	Null	Null	Fruit, vegetables & field crops
AgBiTech	Lepigen	Null	Food & non-food crops
	Surtivo	Helicoverpa zea nucleopo...	Fruit, vegetables & field crops
	Surtivo Plus, Surtivo ultra	Chrysodeixis includens N...	Food & non-food crops
2018	Surtiva Soja	Helicoverpa armigera nuc...	Soybeans

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Download

5

1. Select company
2. Select country
3. Select use
4. Keyword search within the Tracker
5. Download result

Data Tools - AI Approvals Annual Update

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Bayer and US agrochemical and pharmaceutical discovery technology company Atomwise agreed to continue the development of two crop protection programmes.

Corteva Agriscience agreed an exclusive one-year evaluation deal with UK biological crop protection company Eden Research on its encapsulation technology.

Corteva Agriscience and Chinese company Lier Chemical agreed to set up a joint venture in the Sichuan province of China.

Indian company **Crystal Crop Protection** acquired three chlorpyrifos-based insecticide brands from Corteva Agriscience: Dursban, Predator and Nurelle-D.

Canadian biologicals company **Terramera** agreed to lead a cross-industry collaboration, the Canadian Digital Technology Supercluster, to develop new pest and disease control solutions.

FEBRUARY

ChemChina subsidiary **Adama** and Israeli biopesticide company STK Bio-ag Technologies agreed an exclusive distribution deal for two STK *Metaleuca alternifolia* extract-based biofungicides in Ecuador.

ChemChina subsidiary **Adama** and US seed company S&W Seed agreed to collaborate on the development of a weed control system, Double Team, for sorghum.

Bayer's Crop Science division and French biotechnology company **Meiogenix** agreed to collaborate on the development of Meiogenix's proprietary technologies related to plant breeding and genome editing applications.

US technology company **Cibus** formed a licensing and commercialisation partnership with Chinese Rotam Trait Development Company for non-genetically modified herbicide tolerance traits for rice.

Portuguese company Rovensa's biostimulant and biocontrols company, **Idai Nature**, acquired Agrichem Bio and Even Agro.

AI Approvals Annual Update

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30 Jun 2020 - Crop Science | Strategic Report

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Active ingredients banned or restricted in 2019/2020

09 Jul 2020 - Crop Science | Scheduled Update

Sanjiv Rana
Managing Editor

Active ingredients banned or restricted since January 2019 (with links to original articles):

Region/Country	Product category	Active ingredient	Ban/restriction status
EU	Insecticide	beta-cyfluthrin	Non-renewal confirmed. Phase out schedule to be set.
		chlorpyrifos/ chlorpyrifos-methyl	Product approvals must be withdrawn by February 16th 2020; any grace periods to use existing stocks must expire by April 16th.
		dimethoate	Product approvals withdrawn on December 31st 2019; grace periods for use of existing stocks on crops (apart from cherries) to end by June 30th 2020.
		ethoprophos	Product approvals withdrawn on September 21st 2019; any grace periods to use existing stocks must expire by March 21st 2020.
		methiocarb	Product approvals withdrawn on January 3rd 2020; any grace periods to use existing stocks must expire by April 3rd 2020.
		methoxyfenoziide	Use restricted to greenhouses.
		pymetrozine	Product approvals withdrawn on April 30th 2019; any grace periods expired on January 30th 2020.
		quinoxifen	Product approvals withdrawn on June 27th 2019; any grace periods for use of existing stocks to expire by March 27th 2020.
		thiacloprid	Product approvals must be withdrawn by August 3rd 2020; any grace periods must expire by February 3rd 2021.
		Herbicide	bromoxynil



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R&D Pipeline Tracker

Agrow's R&D Pipeline Tracker

1. Select Company

2. Select Use

3. Select Status

4. Keyword search within the Tracker

Company1	Use1	Choose status	AI Code Keyword Search
[All]	(Multiple values)	All	

AI Code	Trade Mark, Active Ingredient names1	Company1	Use1	Other references
3336F	Thiophanate-methyl	various	Fungicide	
A1664	Pyrapropoyne	Nissan Chemical	Fungicide	NC-241
A2100A	Zovec; oxathiapiprolin	DuPont, Syngenta	Fungicide	DPX-QGU42, SYN546539
A7402	Difenoconazole	Syngenta	Fungicide	
A8240D	Null	Syngenta	Fungicide	
A8574	Difenoconazole	Syngenta	Fungicide	
A9382	Null	Syngenta	Fungicide	
A9459	fludioxonil	Syngenta	Fungicide	
A9625	Null	Syngenta	Fungicide	
A9642	Apron; metalaxyl-M	Syngenta	Fungicide	
A9859	fludioxonil	Syngenta	Fungicide	
A9898A	Null	Syngenta	Fungicide	
A10466	Null	Syngenta	Fungicide	
A12705	azoxystrobin	Syngenta	Fungicide	
A12946	Mandipropamid SC formulation	Syngenta	Fungicide	NOA 446510, SY 446
A13703G	Ailbi Flora: difenoconazole+azoxystrobin	Syngenta	Fungicide	
A13836B	Uniform: azoxystrobin + mefenoxam	Syngenta	Fungicide	
A14382	Null	Syngenta	Fungicide	
A14576	Revus Top; mandipropamid+difenoconazole	Syngenta	Fungicide	
A14658C	Potassium phosphite	Syngenta	Fungicide	
A14918	Maxim Quattro; fludioxonil+metalaxyl-M+thiabend.	Syngenta	Fungicide	
A15120	Apron Advance; fludioxonil+metalaxyl-M+thiabend.	Syngenta	Fungicide	
A15457	Aprovia; solatenol (benzindiflupyr)	Syngenta	Fungicide	
A15497	benzovindiflupyr	Syngenta	Fungicide	SYN545192, A17056
A15840	Bontima; cyprodinil+isopyrazam	Syngenta	Fungicide	
A16148C	Sedaxane formulation	Syngenta	Fungicide	SYN524464
A16283	Vibrance Gold; Sedaxane+fludioxonil+defenoconaz.	Syngenta	Fungicide	

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Crop Science – Weekly Briefing

The Weekly Briefing includes a collation of top articles and analysis across the crop science industry for the week.

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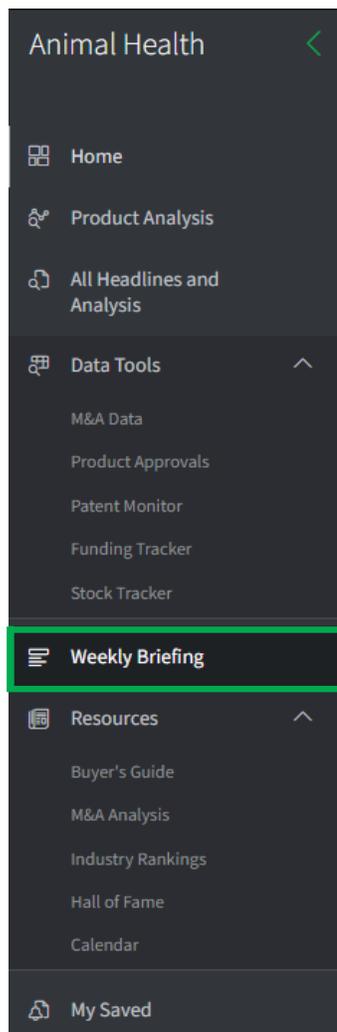
Crop Science Weekly Briefing (14 July 2020) 

14 Jul 2020 - Crop Science | Market Briefing

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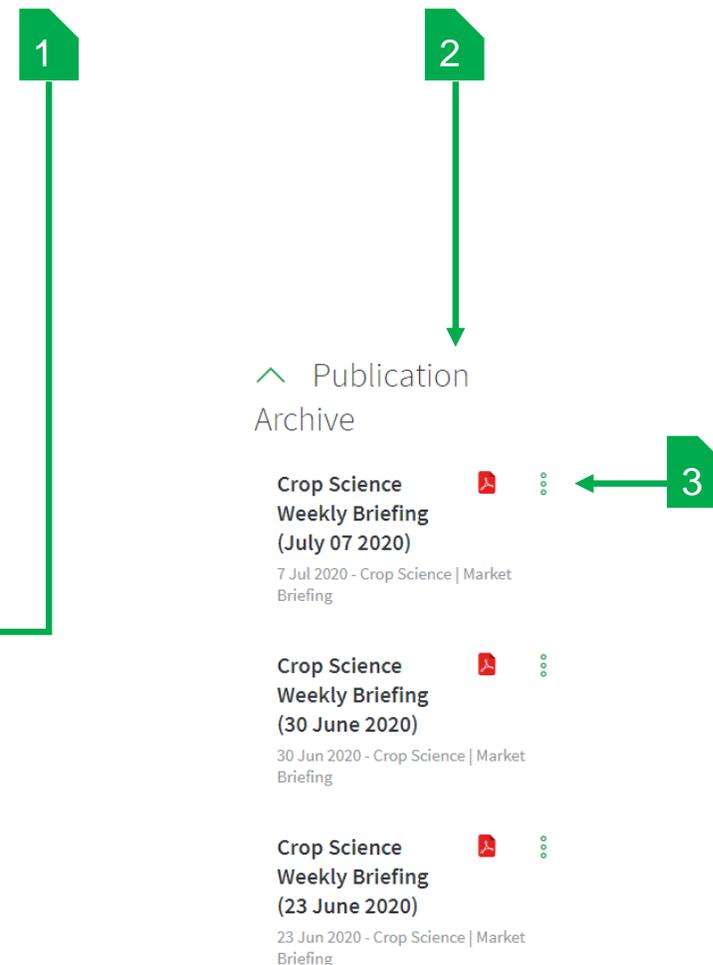
 CropScience Weekly Briefing 14 July 2020

A weekly PDF containing the top 20 Crop Science news articles of the previous week

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[Agrochemical Patent Watch](#)

Agrochemical Patent Watch is a quarterly summary of published patent applications from the US Patent and Trademark Office (USPTO), the European Patent Office (EPO) and the World Intellectual Property Organization (WIPO), as well as granted patents from the USPTO and EPO.

[Plant Biotech Patent Watch](#)

Quarterly summary of agricultural plant biotechnology patent applications published in the previous 3-month period by the US Patent and Trademark Office. The summary is arranged by assignee name to facilitate analysis of R&D trends in the major agbiotech companies.

[US Tolerance Tracker](#)

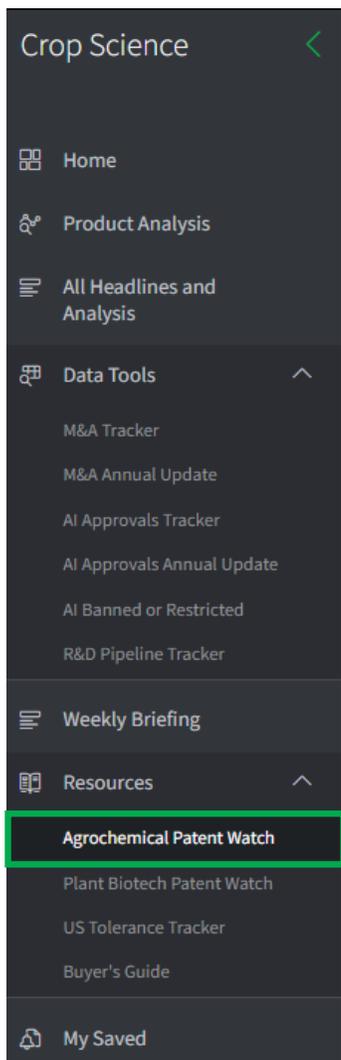
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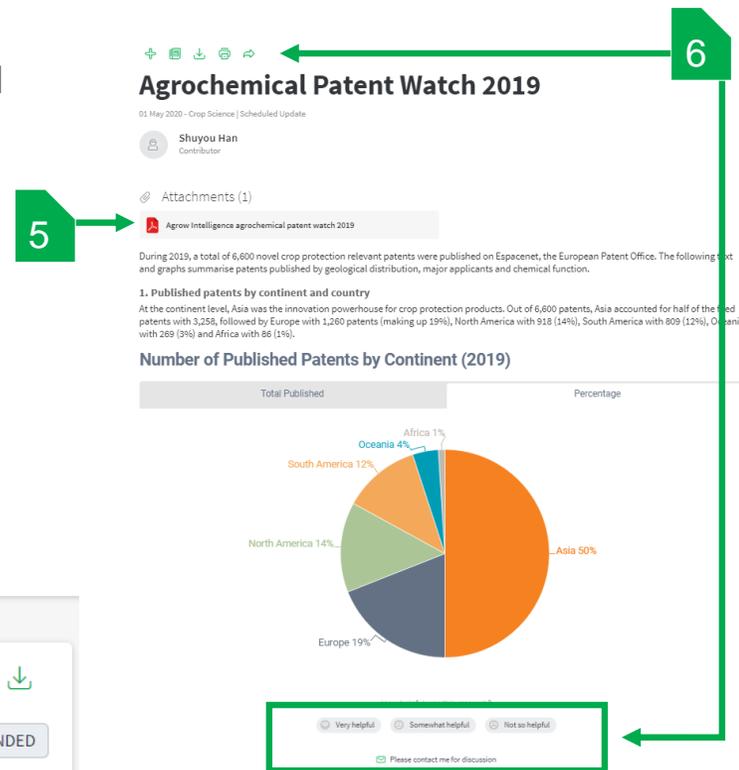
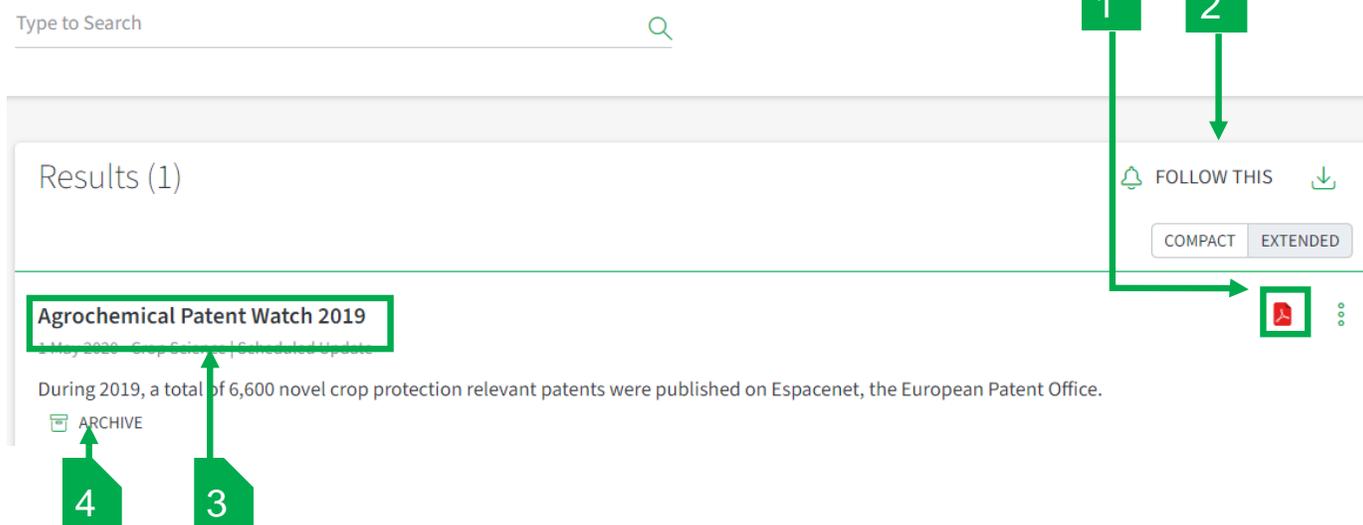
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Plant Biotechnology Patent Watch Q1 2020
26 May 2020 - Crop Science | Scheduled Update

During the first quarter of 2020, a total of 48 patent applications from 23 different assignees were published covering genetically modified plants and methods of producing them.

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Plant Biotechnology Patent Watch Q1 2020

26 May 2020 - Crop Science | Scheduled Update

Shuyou Han
Contributor

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Plant Biotech Patent Watch Q1 2020

During the first quarter of 2020, a total of 48 patent applications from 23 different assignees were published covering genetically modified plants and methods of producing them. The plant biotechnology patents were mainly sourced from US Patent and Trademark Office and other patent offices.

The legacy big six companies filed 25 applications, accounting for 52.1% of the published patents. Bayer legacy company Monsanto led the field with 12 applications, followed by DuPont Pioneer (part of Corteva Agriscience) with four, ChemChina subsidiary Syngenta (three), BASF (two), DuPont and DuPont Pioneer together (two), DuPont (part of Corteva - one), and Bayer (one).

Private firms published 17 filings, accounting for 35.4%. Universities published five filings, accounting for 10.4%. Government published one filing, accounting for 2.1%.

Input traits

Insect resistance traits:

Multinational companies published several insect resistance trait patents in Q1. For instance, Monsanto claimed transgenic plants comprising PIRa, PIRb, and PIRc to control coleopteran, lepidopteran and hemipteran species pests (US 20200095603 A1), TIC1100, TIC860, TIC867, TIC868 to control lepidopteran pests (US 20200040044 A1), engineered Cry1Da to improve lepidopteran insecticidal activity (US 20200002719 A1), TIC807, TIC853, Cry5La1, AXM-171 to control lepidopteran and/or hemipteran species (US 20200002718 A1), and eHTP to control hemipteran species (US 20200022376 A1); Syngenta released a novel protein, kimaSCRW, having toxicity on coleopteran and/or lepidopteran insect pests (US 20200087677 A1); the USDA filed dsRNA to control whiteflies (US 20200081015 A1); BASF released delta-endotoxin genes against lepidopteran or coleopteran pests (US 202000557907 A1); Pioneer claimed insecticidal proteins IPD078, IPD084 etc for controlling lepidopteran, coleopteran, dipteran, hemipteran and nematode pests (US20200055906 A1), COA26, ROHT17, ITP2, MLN1 to improve tolerance to insect pests (US 20200032290 A1); Pioneer and DuPont released PIP-45, PIP-50 or PIP-98 to inhibit growth or kill lepidopteran, coleopteran, dipteran, hemipteran and nematode pests (US 20200024614 A1; US 20200010514 A1); AgBiome claimed Cry, Cyt, Bin and Mtx toxins for controlling lepidopteran, coleopteran and hemipteran pests (US 20200040396 A1; US 20200002720 A1).

Plant disease resistance traits:

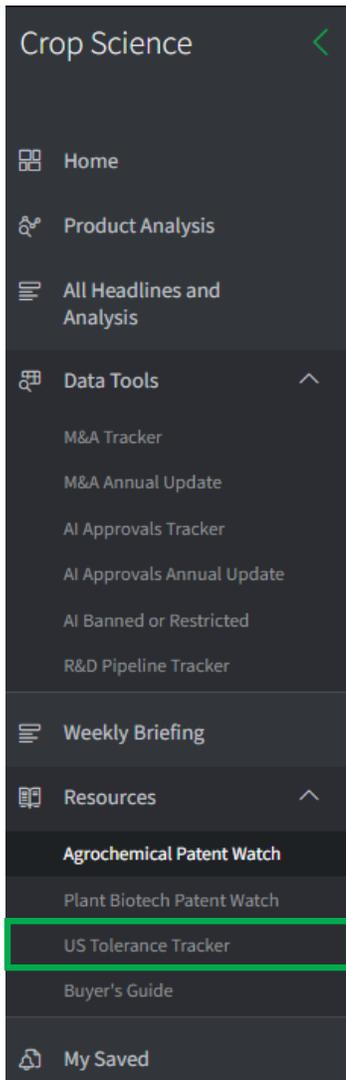
Nexion filed a transgenic maize expressing AGM182 against *Aspergillus flavus* (US 20200085911 A1); Pebble claimed systems and methods to control plant pathogens (US 20200071113 A1); Seminis published multiple-virus resistant melon (US 20200060112 A1) and tomato plants resistant to *Sternophyllum* spp (US 2020004855 A1); Syngenta released a soybean plant having resistance to Asian soybean rust (*Phakosora pachyrhizi* - US 20200045915 A1); Enza Zaden Beheer filed potato plants resistant to *Phytophthora infestans* (US 20200040354 A1); the US University of Pennsylvania published peptides RC101 and protegrin-1 to control viruses and bacteria (US 20200040348 A1); Bejo Zaden claimed lettuces resistant to downy mildew (US 2020029523 A1).

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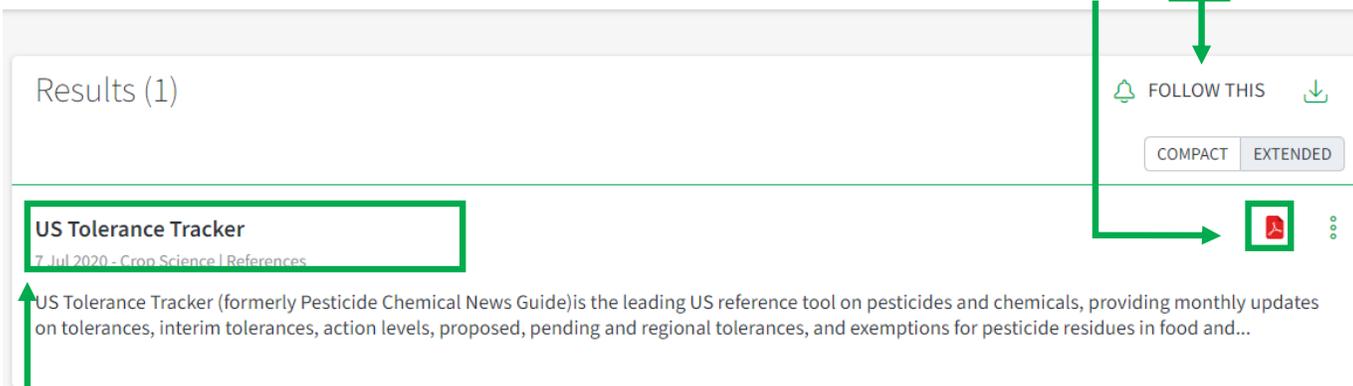
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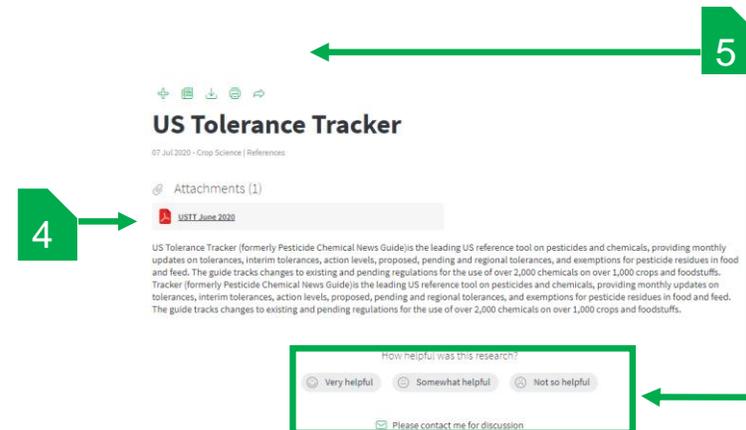
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7 Jul 2020 - Crop Science | References

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07 Jul 2020 - Crop Science | References

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09 Jun 2020 - Crop Science | Strategic Report

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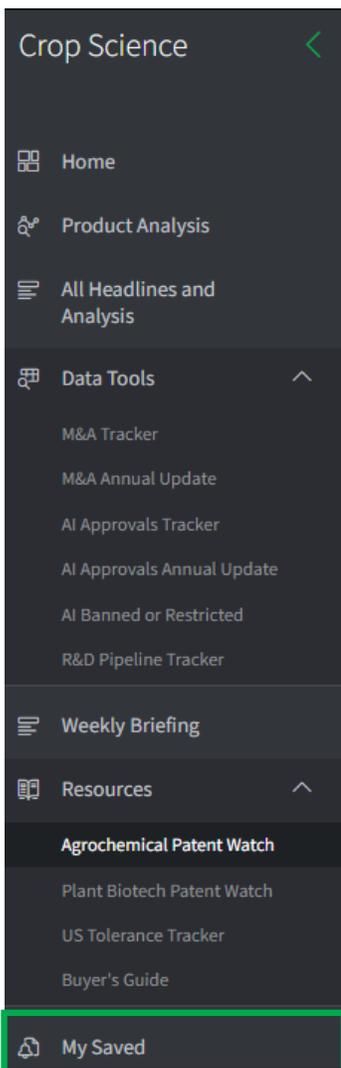
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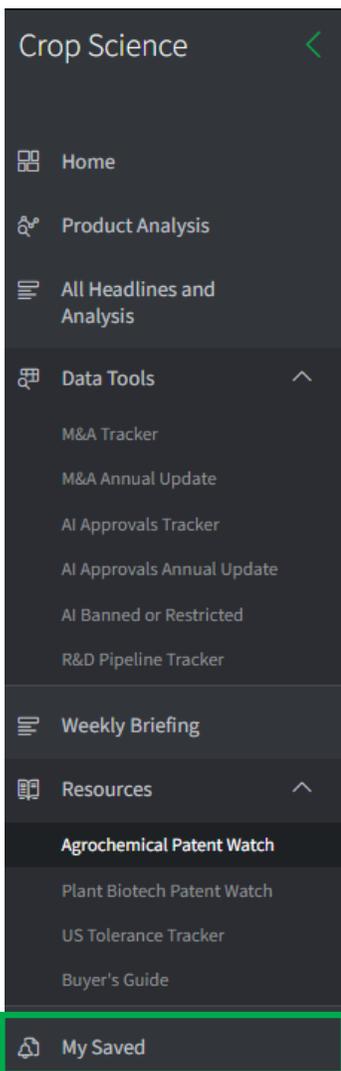
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