

Point, click and find

Thanks to Agri-Intel's powers of systemisation, agrochemical information is no longer a confusing jumble.



1 Kobus Hartman with Chana-Lee White (left) and Sarah le Grange.

2 The Agri-Intel website features flexible, web-accessible search and reporting mechanisms to retrieve the MRL, PHI and retailer-specific agrochemical information it stores.

AGRICULTURAL CROPS, be they grains, vegetables or fruit, need human intervention to grow strong and healthy. One of the main priorities of every farmer is to protect the harvest. In this mission, agrochemical products play an important role. But knowing what products to apply when and how is no simple matter. From growth regulators to fungicides, pesticides and herbicides, the selection alone can be bewildering. Add to that the fact that one wrong choice can mean the loss of an export contract, and the process becomes truly daunting.

Farmers who produce fruit for export have to comply with a range of different requirements of destination countries and retailers in terms of maximum residue levels (MRLs), pre-harvest intervals (PHIs) and

retailer-specific conditions regarding agrochemical use. Producers can also only use registered, legally permitted products that are safe and suitable and comply with the latest regulations.

When producers base their crop protection action on incorrect or outdated information, the financial and market access consequences can be dire.

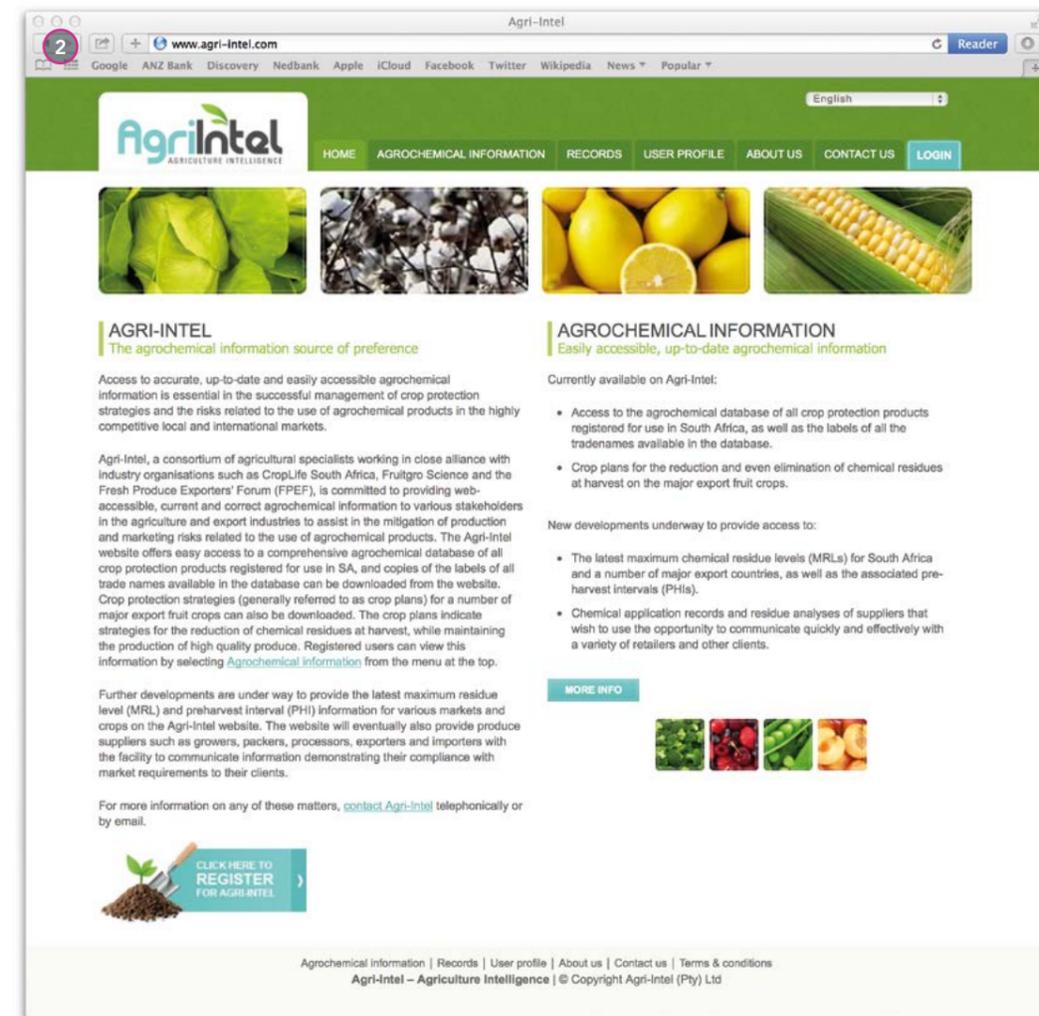
FIRST STEPS

As far back as 2007, Capespan Exports (now Capespan South Africa) established a website as part of the Agri Business Systems international (ABSi) initiative to meet the demand for a single source of information on agrochemical and other market requirements. It was an electronic communication platform that published information on international fruit export standards and requirements, and allowed producers to reciprocate with proof of their compliance with these standards.

But the need for a streamlined communication system that included a consolidated source of agrochemical information extended to the entire food crop and agrochemical industry. Consequently, CropLife SA, the association that represents manufacturers and suppliers of crop protection products in South Africa, contributed funding to expand the ABSi chemical database. It was eventually decided, however, to maintain ABSi as a Capespan in-house service, and to establish another platform to serve the entire fruit export and broader agricultural industry.

In 2012, Kobus Hartman led a PHI-funded project, initiated by the South African Agrochemical Database Consortium, to develop a fully-fledged web portal that houses an expanded, consolidated, web-accessible chemical information database of all the agrochemical products registered in South Africa.

It was envisaged to be a crucial resource for role-players in agricultural production and marketing,



PROJECT TITLE

Developing a consolidated, continuously updated and web-accessible South African agrochemical database (first call) and Developing flexible, web-accessible search and reporting mechanisms to retrieve the stored agrochemical information (second call)

PRINCIPAL INVESTIGATOR

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DURATION

One year + one year

PHI-2 CONTRIBUTION

R250 000 (first call)
R170 000 (second call)

LEAD INSTITUTION

South African Agrochemical Database Consortium

BENEFICIARY

The entire fresh fruit industry

FOCUS AREA

Information and communication technology

