

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Title</b>                                         | Helicoverpa resistance surveillance 2011-2014                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Abstract</b>                                      | Development of new techniques in resistance testing. Helicoverpa resistance surveillance 2011-2014 to determine specific insecticide use patterns, industries and/or regions where shifts in FAW susceptibility are emerging. Annual resistance testing of insecticides in H. armigera from eastern Australian cotton and grains growing regions 2011-2014 with outcomes used to inform resistance management in cotton and grains industries. |
| <b>Resource locator</b>                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Unique resource identifier</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Code</b>                                          | d2995849-4838-4722-92ba-8d77a3bfe096                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Presentation form</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Edition</b>                                       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Dataset language</b>                              | eng                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Metadata standard</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Name</b>                                          | ANZLIC Metadata Profile: An Australian/New Zealand Profile of AS/NZS ISO 19115:2005, Geographic information - Metadata                                                                                                                                                                                                                                                                                                                         |
| <b>Version</b>                                       | 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Dataset URI</b>                                   | <a href="https://data.iar.dpi.nsw.gov.au/dataset/d2995849-4838-4722-92ba-8d77a3bfe096">https://data.iar.dpi.nsw.gov.au/dataset/d2995849-4838-4722-92ba-8d77a3bfe096</a>                                                                                                                                                                                                                                                                        |
| <b>Status</b>                                        | completed                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Spatial reference system</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Authority code</b>                                | GDA94 Geographic (Lat\Long)                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Code identifying the spatial reference system</b> | 4283                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Topic category</b>                                | Environment                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                                                         |                                                                    |
|---------------------------------------------------------|--------------------------------------------------------------------|
| <b>Keyword set</b>                                      |                                                                    |
| <b>keyword value</b>                                    | AGRICULTURE-Crops                                                  |
| <b>Originating controlled vocabulary</b>                |                                                                    |
| <b>Title</b>                                            | ANZLIC Search Words                                                |
| <b>Reference date</b>                                   | 2008-05-16                                                         |
| <b>Geographic location</b>                              |                                                                    |
| <b>West bounding longitude</b>                          | 141.28418                                                          |
| <b>East bounding longitude</b>                          | 153.149414                                                         |
| <b>North bounding latitude</b>                          | -37.174543                                                         |
| <b>South bounding latitude</b>                          | -22.772383                                                         |
| <b>Vertical extent information</b>                      |                                                                    |
| <b>Minimum value</b>                                    | -100                                                               |
| <b>Maximum value</b>                                    | 2228                                                               |
| <b>Coordinate reference system</b>                      |                                                                    |
| <b>Authority code</b>                                   | urn:ogc:def:cs:EPSG::                                              |
| <b>Code identifying the coordinate reference system</b> | 5711                                                               |
| <b>Temporal extent</b>                                  |                                                                    |
| <b>Begin position</b>                                   | 2011-01-01                                                         |
| <b>End position</b>                                     | N/A                                                                |
| <b>Dataset reference date</b>                           |                                                                    |
| <b>Date type</b>                                        | creation                                                           |
| <b>Effective date</b>                                   | 2014-12-31                                                         |
| <b>Resource maintenance</b>                             |                                                                    |
| <b>Maintenance and update frequency</b>                 | unknown                                                            |
| <b>Contact info</b>                                     |                                                                    |
| <b>Organisation name</b>                                | DPI                                                                |
| <b>Full postal address</b>                              | contact@dpi.nsw.gov.au                                             |
| <b>Telephone number</b>                                 | 02 6391 3000                                                       |
| <b>Email address</b>                                    | <a href="mailto:contact@dpi.nsw.gov.au">contact@dpi.nsw.gov.au</a> |
| <b>Responsible party role</b>                           | pointOfContact                                                     |

|                                     |                                                                                                                                                                                                                             |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Constraint set</b>               |                                                                                                                                                                                                                             |
| <b>Use constraints</b>              | This data is provided under a Creative Commons Attribution 4.0 licence <a href="http://creativecommons.org/licenses/by/4.0">http://creativecommons.org/licenses/by/4.0</a> Attribute 'DPI' in publications using this data. |
| <b>Limitations on public access</b> |                                                                                                                                                                                                                             |
| <b>Scope</b>                        | dataset                                                                                                                                                                                                                     |
| <b>Responsible party</b>            |                                                                                                                                                                                                                             |
| <b>Contact position</b>             | Data Broker                                                                                                                                                                                                                 |
| <b>Organisation name</b>            | DPI                                                                                                                                                                                                                         |
| <b>Full postal address</b>          | contact@dpi.nsw.gov.au                                                                                                                                                                                                      |
| <b>Telephone number</b>             | 02 6391 3000                                                                                                                                                                                                                |
| <b>Email address</b>                | <a href="mailto:contact@dpi.nsw.gov.au">contact@dpi.nsw.gov.au</a>                                                                                                                                                          |
| <b>Web address</b>                  | <a href="https://www.dpi.nsw.gov.au">https://www.dpi.nsw.gov.au</a>                                                                                                                                                         |
| <b>Responsible party role</b>       | pointOfContact                                                                                                                                                                                                              |
| <b>Metadata point of contact</b>    |                                                                                                                                                                                                                             |
| <b>Contact position</b>             | Data Broker                                                                                                                                                                                                                 |
| <b>Organisation name</b>            | DPI                                                                                                                                                                                                                         |
| <b>Full postal address</b>          | contact@dpi.nsw.gov.au                                                                                                                                                                                                      |
| <b>Telephone number</b>             | 02 6391 3000                                                                                                                                                                                                                |
| <b>Email address</b>                | <a href="mailto:contact@dpi.nsw.gov.au">contact@dpi.nsw.gov.au</a>                                                                                                                                                          |
| <b>Responsible party role</b>       | distributor                                                                                                                                                                                                                 |
| <b>Metadata date</b>                | 2023-06-23                                                                                                                                                                                                                  |
| <b>Metadata language</b>            | eng                                                                                                                                                                                                                         |