### PYMÉTROZINE

**List of information, tests and studies which are considered as relied upon by the RMS for the evaluation with a view to renew the active substance approval**

**Version 2 – information, tests and studies relied upon by the RMS and identified in the Renewal Assessment Report (11 August 2016)**

B.1 Identity, B.2 Physical and chemical properties, B.3 Data on application and further information, B.4 Proposals for classification and labelling, B.5 Methods of analysis

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<th>Author(s)</th>
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<td>Rate and quantum yield of the direct phototransformation of CGA 215944 under laboratory conditions in water. 18/93</td>
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<td>Analytical method for the determination of CGA-215944 and its metabolites CGA-249257 and 2U in soil by high performance liquid chromatography with mass spectrometric detection including validation data; Method no. AG-641</td>
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Data protection: O = old studies, data protection not valid anymore
### B.6 Toxicology and metabolism

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## B.7 Residues

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## B.8 Environmental fate and behaviour

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### B.9 Ecotoxicology

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<td>Acute flow-through toxicity of CGA 215944 to the bluegill sunfish, Lepomis macrochirpus CGA215944/0218 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282649</td>
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<td>1994</td>
<td>Acute flow-through toxicity of CGA 215944 to the sheepshead minnow, Cyprinodon variegatus CGA215944/0206 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282651</td>
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<td>1993</td>
<td>Report on the acute toxicity test of approx. 20 % in water to rainbow trout (Oncorhynchus mykiss) CGA300407/0002 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282654</td>
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<td>Acute toxicity test of CGA 215525 (Metabolite of CGA 215944) to rainbow trout (Oncorhynchus mykiss) in the static system CGA215525/0006 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282652</td>
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<td>KIIA 8.2.1.3/5 (OECD)</td>
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<td>Acute toxicity test of CGA 363431 (Metabolite of CGA 215944) to rainbow trout (Oncorhynchus mykiss) in the static system CGA363431/0001 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282658</td>
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<td>CGA 180777 - Acute toxicity to rainbow trout (Oncorhynchus mykiss) under flow-through conditions</td>
<td>Novartis Crop Protection AG, Basel, Switzerland</td>
<td>CGA180777/0003</td>
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<td>1999</td>
<td>CGA 294849 - Acute toxicity to rainbow trout (Oncorhynchus mykiss) under flow-through conditions</td>
<td>Novartis Crop Protection AG, Basel, Switzerland</td>
<td>CGA294849/0004</td>
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<td>1993</td>
<td>Report on the prolonged toxicity test of CGA 215944 tech. to rainbow trout</td>
<td>Novartis Crop Protection AG, Basel, Switzerland</td>
<td>CGA215944/0121</td>
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<td>1995</td>
<td>Early life-stage toxicity of CGA 215944 to the rainbow trout, Oncorhynchus mykiss</td>
<td>Novartis Crop Protection AG, Basel, Switzerland</td>
<td>CGA215944/0239</td>
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<td>KIIA 8.3.1.1/1 (OECD)</td>
<td>Grade R.</td>
<td>1993</td>
<td>Acute toxicity test of CGA 215944 tech. to daphnia (Daphnia magna Straus 1820)</td>
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<td>CGA215944/0105</td>
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<td>KIIA 8.3.1.3/1 (OECD)</td>
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<td>1993</td>
<td>Report on the acute toxicity test of approx. 20 % in water on daphnia (Daphnia magna Straus 1820)</td>
<td>Novartis Crop Protection AG, Basel, Switzerland</td>
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<td>KIIA 8.3.1.1/8 (newly submitted with renewal dossier) (OECD)</td>
<td>Machado M.W.</td>
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<td>CGA 180777 - Acute toxicity to water fleas (Daphnia magna) under flow-through conditions CGA180777/0004 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2265756</td>
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<td>1999</td>
<td>CGA 294849 - Acute toxicity to water fleas (Daphnia magna) under flow-through conditions CGA294849/0003 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2265757</td>
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<td>Report on the reproduction test of CGA 215944 tech. to daphnia (Daphnia magna Straus 1820) CGA215944/0122 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282670</td>
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<td>1993</td>
<td>Report on the growth inhibition test of CGA 215944 tech. to green algae (Scenedesmus subspicatus) CGA215944/0097 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282672</td>
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<td>KIIA 8.4/3 (OECD)</td>
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<td>1993</td>
<td>Report on the growth inhibition test of approx. 20 % in water to green algae (Scenedesmus subspicatus) CGA300407/0003 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282676</td>
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<td>Growth inhibition test of CGA 215525 (Metabolite of CGA 215944) to green algae (Selenastrum capricornutum) in a static system CGA215525/0008 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282674</td>
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<td>Growth inhibition test of CGA 249257 (Metabolite of CGA 215944) to green algae (Selenastrum capricornutum) in a static system</td>
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<td>Growth inhibition test of CGA 359009 (Metabolite of CGA 215944) to green algae (Selenastrum capricornutum) in a static system</td>
<td>CGA359009/0003 Novartis Crop Protection AG, Basel, Switzerland</td>
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<td>Growth inhibition test of CGA 363431 (Metabolite of CGA 215944) to green algae (Selenastrum capricornutum) under static conditions</td>
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<td>KIIA 8.5.2/1 (OECD)</td>
<td>Grade R.</td>
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<td>Toxicity test of CGA 215944, 25 WP (A-8811 B) on sediment-dwelling Chironomus riparius (syn. Chironomus thummi) under static conditions</td>
<td>CGA215944/0727 Novartis Crop Protection AG, Basel, Switzerland</td>
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<td>KIIA 8.7.1 &amp; KIIA 8.7.2</td>
<td>Decker U.</td>
<td>1993</td>
<td>Laboratory testing for oral and contact toxicity of CGA 215944 tech. to honey bees, Apis mellifera L. CGA215944/0075 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282681</td>
<td>Laboratory testing for oral and contact toxicity of CGA 215944 tech. to honey bees, Apis mellifera L. CGA215944/0075 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282681</td>
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<td>KIIA 8.7.1 &amp; KIIA 8.7.2</td>
<td>Kling A.</td>
<td>2001</td>
<td>CGA 215944 tech. (Pymetrozine tech.): Acute Contact and Oral Toxicity on the Honey Bee, Apis mellifera L. CGA215944/4826 Syngenta Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2265760</td>
<td>Laboratory testing for oral and contact toxicity of CGA 215944 tech. to honey bees, Apis mellifera L. CGA215944/0075 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282681</td>
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<td>Barth M.</td>
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<td>Acute toxicity of CGA 359009 (metabolite of CGA 215944) to the honeybee Apis mellifera L. under laboratory conditions CGA359009/0005 Syngenta Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2265761</td>
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<td>KIIIA1 10.8.1.2 &amp; KIIIA1 10.8.1.3/1</td>
<td>Walker H.M.</td>
<td>2000</td>
<td>A laboratory study to evaluate the effects of CGA 215944 WG 50 (A 9364 A) on the parasitic wasp Aphidius rhopalosiphi (Hymenoptera: Braconidae) CGA215944/4683 Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2265764</td>
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<td>Walker H.M.</td>
<td>2000</td>
<td>A laboratory study to evaluate the effects of CGA 215944 WG 50 (A 9364 A) on the predatory mite Typhlodromus pyri (Acari: Phytoseiidae) CGA215944/4690</td>
<td>Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N</td>
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<td>Elcock V.L.</td>
<td>2000</td>
<td>A laboratory study to evaluate the effects of CGA 215944 WG 50 (A 9364 A) on Poecilus cupreus (Coleoptera: Carabidae) CGA215944/4678</td>
<td>Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N</td>
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<td>Elcock V.</td>
<td>2000</td>
<td>A laboratory study to evaluate the effects of CGA 215944 WG 50 (A 9364 A) on the green lacewing, Chrysoperla carnea (Neuroptera: Chrysopidae) CGA215944/4691</td>
<td>Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N</td>
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<td>Stevens J</td>
<td>2011</td>
<td>Pymetrozine WG (A9364J) - A rate-response extended laboratory bioassay of the effects of fresh residues on the parasitic wasp Aphidius rhopalosiphi (Hymenoptera, Braconidae) A9364J_11443</td>
<td>Syngenta GLP: Y, published: N</td>
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<td>Spencer D.</td>
<td>2011</td>
<td>Pymetrozine WG (A9364J) - A rate-response extended laboratory test to evaluate the effects of fresh residues on the rove beetle, Aleochara bilineata (Coleoptera: Staphylinidae)</td>
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<td>KIIA 8.9.1/1 (OECD)</td>
<td>Grade R.</td>
<td>1992</td>
<td>Report on the acute toxicity test of CGA 215944 tech. to earthworm (Eisenia fetida) CGA215944/0065 Novartis Crop Protection AG, Basel, Switzerland</td>
<td>Novartis Crop Protection AG, Basel, Switzerland GLP: Y, published: N 2282685 /</td>
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