



H E X I M A

Press Release

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Hexima's insect work recognised by the prestigious PNAS

13 August, 2010: Hexima Limited (ASX: HXL), Hexima today announced the publication of two papers in the prestigious scientific journal, Proceedings of the National Academy of Science (PNAS), the official journal of the United States Academy of Sciences. PNAS is a recognised thought leader in biological, physical and social sciences.

The two Hexima publications describe the interaction between the Company's insecticidal proteins from the proteinase inhibitor (PI) family and insect enzymes, as well as the field trial data from trials testing Hexima's insect resistant transgenic cotton.

Hexima's insect resistance program is partly funded by a \$1.4m Climate Ready grant provided by the Federal Government. The Company is also combining its PI genes with Monsanto's market leading *Bt* genes under a research licence between the companies.

The papers are open access and available at the pnas.org website.

Dunse, K., Stevens, J., Lay F., Heath, R., Anderson, M.A. (2010) Coexpression of a potato type I and II proteinase inhibitor gives plants protection against insect damage in the field. *Proc Natl Acad Sci*.
pnas.org/content/early/2010/07/27/1009241107.full.pdf+html

Dunse, K., Qaas, Q., Guarino, R., Barton, P., Craik, D.J., Anderson, M.A. (2010) Molecular basis for the resistance of an insect chymotrypsin to a potato type II proteinase inhibitor. *Proc Natl Acad Sci*.
pnas.org/content/early/2010/07/27/1009327107.full.pdf+html?sid=af3f1c9a-74f1-49d5-bb96-8130d47881a0

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About Hexima

Hexima Limited (ASX Code: HXL) is an agribusiness company developing innovative gene technologies to help farmers enhance the productivity of arable land by improving yields and reducing the use of chemicals. Hexima's core technologies aim to strengthen commercial crops by enhancing their resistance to insect pests and fungal disease. Hexima partners with multinational seed companies to establish commercial markets for its technologies.

Visit www.hexima.com.au for more information.