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Syngenta announces breakthrough in combating resistant grass weeds

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Syngenta, a global leader in agricultural innovation, announced that its latest weed control solution, metproxybicyclone, has been recognized under a new chemical subclass of herbicides by the Herbicide Resistance Action Committee (HRAC) and the Weed Science Society of America (WSSA), reflecting metproxybicycloneâ??s distinction as the fourth generation of ACCase-inhibitors, an important class of herbicides.Â

â??Herbicide resistance has been officially reported in 75 countries and affects farmers of more than 100 crops; of the 273 weed species afflicted, 40 percent are grass weeds,â?• said Camilla Corsi, Syngentaâ??s Global Head of Research and Development. â??At Syngenta, we push the boundaries of crop protection science to deliver solutions to support soybean and cotton farmers who now confront this challenge.â?• Subject to regulatory approvals, the new herbicide is currently expected to be introduced in Argentina in 2026.

The novel herbicide was invented at Syngentaâ??s International Research Centre at Jealottâ??s Hill, UK. By leveraging Syngentaâ??s extensive expertise in ACCase-inhibitors and state-of-the-art computer modelling, scientists precisely designed a new subclass of herbicide capable of controlling grass weeds that had evolved resistance to herbicides such as glyphosate and clethodim, while optimizing the moleculeâ??s sustainability profile.

With its broad pipeline of innovative agricultural solutions, Syngenta's crop protection solutions includes products based on ADEPIDYNÂ® technology, PLINAZOLINÂ® technology and TYMIRIUMÂ® technology, as well as a wide and expanding array of biological and digital solutions