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### Development of a New Herbicide, Indanofan

Osamu Ikeda<sup>1)</sup>, Tetsuo Jikihara<sup>2)</sup>, Toshio Munakata<sup>2)</sup> and Minoru Sato<sup>1)</sup>

1) Nihon Nohyaku Co., Ltd.

2) Research Center, Nihon Nohyaku Co., Ltd.

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#### Abstract:

Indanofan is a rice and turf herbicide. It was registered in Japan in 1999 and approved in combination with sulfonylurea herbicides. It is characterized by its unique chemical structure with indan-1,3-dione and 2-phenyl substituted oxirane moieties bridged *via* the methylene carbon atom. Indanofan showed high efficacy against annual weeds and caused no injury to the transplanted rice. It provided excellent efficacy against *Echinochloa orizicola* and *E. crus-galli* from pre-emergence up to the 3.0 leaf stage at the dosage of 0.15 kg a.i./ha.

#### Keywords:

indanofan, oxirane, herbicidal activity, *Echinochloa crus-galli*, safety to rice

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