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Sulfentrazone (Authority), a new pre-emergence herbicide for sugar cane

The new pre-emergence herbicide sulfentrazone, commercialized under the trade name **Authority**, is now recommended for use in sugar cane, particularly where *Cyperus rotundus* (herbe à oignons) is a major problem. Trials have shown that **Authority** :

- provides broad spectrum weed control; alone it controls annual grasses, broad-leaved weeds and sedges,
- is the only product available locally that provides satisfactory pre-emergence control of *Cyperus rotundus* (herbe à oignons),
- has a long residual action; effective control of weeds for a period of 12 to 16 weeks may be obtained.

⇒ Recommendation

Authority is formulated as a 75% water-dispersible granule (WG) and should be applied at rates varying between **1.6 – 2.0 kg / ha or 0.675 – 0.85 kg / arp**

- The above treatment may be applied at planting (in pre-emergence of plant cane) or after harvest (in pre-emergence of stubble-shaved ratoon cane).
- The maximum rate recommended should be preferred where severe infestation of *Cyperus rotundus* is expected.
- Use of **Authority** should be avoided in non-irrigated subhumid areas, as the product performs better under adequate soil moisture conditions.

Note: The treatment being relatively expensive, **Authority** should be restricted to areas where *Cyperus rotundus* is highly prevalent.

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