



MAURITIUS SUGAR INDUSTRY RESEARCH INSTITUTE

Recommendation Sheet

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Herbicide Roundup[®] Energy

Roundup[®] (glyphosate), a liquid formulation (SL) containing 360 g acid equivalent (a.e.) of glyphosate-isopropylammonium per litre, was tested by the MSIRI and recommended for commercial use in the early 1970's. The product has been used as a non-selective herbicide for post-emergence control of perennial weeds and elimination of sugar cane stools in Minimum Tillage Practice (MTP). Since then several formulations of glyphosate have been developed and a recent one is Roundup[®] Energy.

Roundup[®] Energy is formulated as a water-dispersible granule (WG) and contains 679 g a.e. glyphosate per kg.

Evaluation of Roundup[®] Energy has shown that it is comparable to the original formulation at the same acid equivalent rates.

Roundup[®] Energy is recommended as follows:

	kg ha ⁻¹	kg arp ⁻¹
Elimination of sugar cane stools (MTP)	3.5 – 4.5	1.5 – 2.0
Control of tough perennial weeds e.g. <i>Cynodon dactylon</i> (chiendent), <i>Paspalidium geminatum</i> (herbe sifflette)	5.0 – 6.0	2.0 – 2.5
General weed control including <i>Cyperus rotundus</i> (herbe à oignons)	1.25 – 1.5	0.5 – 0.65

- Notes:** - Higher rates should be preferred where weed infestation is severe and/or weeds are at an advanced stage of growth.
- For destroying sugar cane stools (MTP), rates will depend on cane variety.
- Roundup[®] Energy can be tank-mixed with some residual herbicides (e.g. atrazine, diuron).
- No adjuvant should be added to Roundup[®] Energy.

