

FACT SHEET:

# BALANCE® 750 WG & SENCOR® 480 SC

IN PINEAPPLES



sencor®



BALANCE®

**Balance® 750 WG and Sencor® 480 SC** herbicides offer exceptional in-field control of a range of weeds in pineapples. Pineapples historically have previously relied on a single herbicide mode of action group (Group 5) which can lead to resistant weed issues. Balance 750 WG is from a different chemical group (Group 27) and is designed to withstand early UV radiation prior to incorporation which helps deliver long-lasting protection that provides an added level of security for pineapple growers. Sencor 480 SC helps to widen the weed spectrum.

## How it works

Balance 750 WG contains the active ingredient, isoxaflutole, a herbicide within the isoxazole family (Group 27), and Sencor 480 SC contains metribuzin (Group 5) which is from the triazinone group. Balance 750 WG stops a weed's ability to grow at germination and must be applied prior to weed emergence followed by incorporation by rainfall or irrigation. Sencor 480 SC works both as a pre-emergent and early post-emergent herbicide. The combination targets the key weeds in pineapples and provides growers with alternative options in their weed management programs.

## BALANCE 750 WG AND SENCOR 480 SC AT A GLANCE

<b>Crop</b>	Pineapple – Balance 750 WG (plant crop only). Sencor 480 SC (plant and ratoon crops).
<b>Target weeds</b>	Amaranth, apple of Peru, awnless barnyard grass, balloon cotton bush, barnyard grass, black pigweed, bluetop, blackberry nightshade, caltrop, coastal button grass, cobbler's peg, crows-foot grass, fat hen, feathertop Rhodes grass, fleabane, green panic, green summer grass, gooseberry, Guinea grass, <i>Ipomoea</i> spp. (bellvine, convolvulus, star of Bethlehem), needle burr, Noogoora burr, paspalum, phasey bean, pigweed, potato weed, round-leaf cassia, shepherd's purse, sowthistle, summer grass, thickhead, turnip weed.
<b>Use rate</b>	Balance 750 WG; 100 g/ha and Sencor 480 SC; 1.6 L/ha
<b>Active ingredients</b>	Isoxaflutole (Herbicide Group 27) and metribuzin (Herbicide Group 5)

## Application timing

<b>Balance 750 WG</b>	<b>Plant crop</b>	Apply as a broadcast spray only prior to weed emergence immediately (0 - 15 days) after planting and before planting material begins to grow roots or new leaves. DO NOT apply more than one application in the plant crop. Do not disturb the soil surface after application. If weeds are established at the time of application, add a suitable registered contact herbicide and suitable adjuvant.
	<b>Ratoon crop</b>	Do not apply Balance 750 WG in ratoon pineapple crops.
<b>Sencor 480 SC</b>	<b>Plant crop</b>	Apply a single broadcast spray prior to weed emergence immediately after planting (within 0 - 15 days) and before planting material begins to grow roots or new leaves.
	<b>Ratoon crop</b>	Apply as a single directed or broadcast spray within 30 days of the plant crop harvest maximizing contact of the herbicide with the soil. Do not apply if the ratoon crop contains a high percentage of suckers or slips/buttons

Maximum number of sprays per crop	
<b>Balance 750 WG</b>	Do not apply more than one application in the plant crop.
<b>Sencor 480 SC</b>	Do not apply more than one application in the plant or the ratoon crop.
<b>Withholding period</b>	Balance 750 WG and Sencor 480 SC: Not required when used as directed.
<b>Incorporation</b>	Both Balance 750 WG and Sencor 480 SC require incorporation by rain or irrigation. Sencor 480 SC should be incorporated within 7 days of application for best results.
<b>Re-entry period</b>	Balance 750 WG is 12 hours unless wearing protective clothing. Sencor 480 SC is 3 days (as per asparagus label).
<b>Compatibility</b>	Compatible with most commonly used herbicides, insecticides and fungicides. For further details, please contact your reseller or local Bayer Crop Science representative.
<b>Formulation</b>	Balance 750 WG is a water-dispersible granule containing 750 g/kg isoxaflutole. Sencor 480 SC is a suspension concentrate formulation which contains 480 g/L metribuzin.

### Trial Results; Efficacy trial; 23QM19, Mutarnee, QLD.

A grower-applied replicated field trial was installed in late 2023 comparing Bromacil 800 WG plus Ametryn 800 WG applied as a tank mix 5 days post-planting following a pre-planting application of Bromacil, to Balance 750 WG plus Sencor 480 SC applied as a tank mix 5 days post-planting with or without a pre-planting application of Bromacil. It was determined to be safe to the pineapple variety (7350) tested when applied as an early post-plant treatment (Fig. 1). Weed control was shown to be statistically equivalent with the exception of sedges if no pre-plant herbicide was applied.

Location: Volk Rd, Mutarnee, QLD. Variety: 7350. App A: 05/12/2023, 3000 L/ha pre-planting and incorporated. App B: 12/12/2023, 3000 L/ha, 5 days post planting,

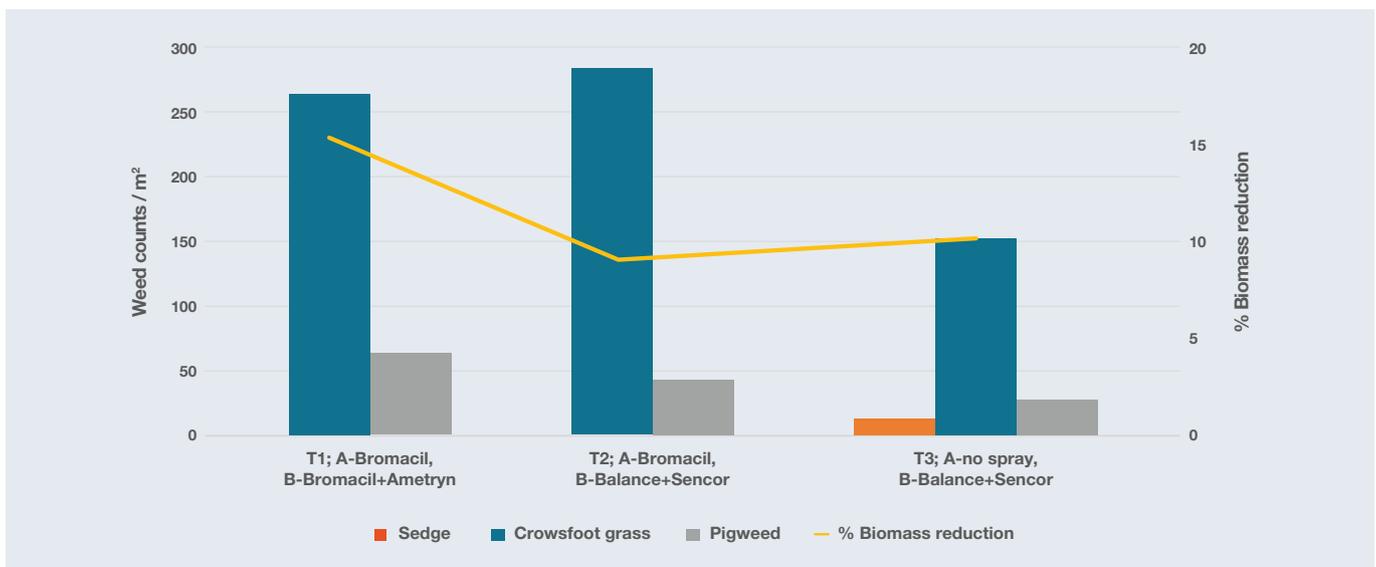


Figure 1: Weed counts and % biomass reduction, Mutarnee, QLD, 41 DAB.

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