

Talkin' TURF

syngenta[®]

Surfactant information to consider with spray applications

Certain products perform better with the addition of a surfactant. Within the Syngenta range there are a few products that require surfactants and when using a non-ionic surfactant, it is important to consider the following before mixing and applying of the chemicals.

GYMNAST, HIGRAN and AGADOR as well as CASPER and MONUMENT LIQUID Herbicides have the following wording on their labels:

The addition of a quality non-ionic surfactant at a rate of 0.25% v/v (1000 g ai/L products) or 0.42% v/v (600 g ai/L products) such as Agral[®] Spray Adjuvant is essential.

There are many non-ionic surfactants in use on turf, but not all are 600g ai/L or 1000g ai/L. Below is a table listing the correct amount to use for some commonly used surfactants.

Product Trade Name	g ai/L	mL/100 L (for spraying AGADOR, GYMNAST, HIGRAN, CASPER or MONUMENT)	mL/ha at 400 L/ha recommended spray volume
Maxwet	370	676	2703
Agral	600	417	1667
Activator	900	278	1111
Profilm	904	277	1106
Spreadwet 1000	1000	250	1000

Be aware that some lower ai surfactants have a tendency to foam excessively under full agitation. One way to reduce this happening is to add the surfactant towards the end of filling the tank. Avoid soil wetting agents, surfactants that increase or decrease pH, and spray oils that might pose a phytotoxicity risk.

If you have a particular concentration non-ionic surfactant you prefer to use, please let us know and we can determine the correct use rate so you can get maximum results from the chemical you are applying.

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