

Resistance management recommendations and proposals for Fungicides not included in current working groups

Compound	Fluazinam
Chemistry	2,6-dinitro-aniline
FRAC MoA Code	29
TAREGT SITE AND CODE	C5: uncouplers of oxidative phosphorylation
Uses	Foliar application: <i>Phytophthora infestans</i> on potato and tomato; <i>Sclerotinia</i> spp. on potato, beans, peanut, wheat, cotton, soybean, carrots; <i>Botrytis</i> spp. on beans, grapes, onion and ornamentals; <i>Venturia inaequalis</i> on pome fruit, <i>Colletotrichum</i> spp. on beans, berries, apples & turf; <i>Claviceps</i> spp.; <i>Rhizoctonia solani</i> ; <i>Microdochium nivale</i> ; <i>Drechslera</i> spp. on turf; Soil application: <i>Phytophthora infestans</i> on potato; <i>Plasmodiophora brassicae</i> on Brassica crops
Resistance Status	The resistance risk is considered low <ul style="list-style-type: none"> Field resistance has been claimed in <i>Botrytis</i> in Japan (beans). Reduced sensitivity of <i>Phytophthora infestans</i> has been detected in a clonal lineage (EU: 37) in various European countries.
Resistance Mechanism	<ul style="list-style-type: none"> Unknown-
Recommendations	<p>General Recommendations</p> <ul style="list-style-type: none"> The use of fluazinam is recommended in the context of a spray program considering an anti-resistance strategy in which other different fungicide classes are included in the program. Apply fluazinam preventatively. Apply fluazinam in rotation or in mixture with fungicides from a different cross-resistance group with satisfactory efficacy against the target pathogens. When targeting high risk pathogens or areas where reduced sensitivity of target pathogens has been documented: (i) Apply fluazinam in mixture whenever possible. (ii) If used solo, strict rotation is required with fungicides from a different cross-resistance group. (iii) Limit the number of fluazinam applications to max. 50% of the total applications in a cropping season irrespective of the target disease. Soil applications of fluazinam should be considered as part of the total number of allowed applications if it provides activity against foliar pathogens. <p>Recommendations for potato (late blight)</p> <ul style="list-style-type: none"> Apply fluazinam preventatively. Maximum of six applications. In regions with reported resistance it is recommended to limit the number of fluazinam applications to max. 50% of all applications and use mixtures with fungicides belonging to other modes of action that provide satisfactory efficacy against <i>Phytophthora infestans</i>. No more than 3 sequential applications of fluazinam. In regions with resistance or reduced sensitivity apply a maximum of 2 sequential applications if product is used solo. Refer to manufacturer's recommendations for rates and intervals.
Requested by / date	Helge Sierotzki Stefano Torriani, Ana Dutton, Syngenta Crop Protection, S Araki, ISK 18th June 2020
FRAC SC approval / date	