




What is the 2Blades Foundation?





2BLADES: A CRITICAL PART OF THE GLOBAL VALUE CHAIN FOR FOOD SECURITY


US-BASED NON-PROFIT ORGANIZATION




FOCUS 

 Discovery, advancement, and delivery of durable disease resistance in major food crops


IMPACT 

 Advances to sustainably feed additional **2 BILLION** PEOPLE BY 2050 using less land, water, and chemicals


RESEARCH PARTNERSHIPS

 Work done in-house at the 2Blades Group in The Sainsbury Laboratory, Norwich, UK, and in collaboration with labs in the US, Australia, Brazil, Kenya, and other countries

DELIVERY PARTNERSHIPS

 Bridging public-private partnerships with large and small seed and ag-biotech companies, and with international agricultural centers

What are the activities of the 2Blades Foundation?

 Establishes and manages development programs for the major unsolved diseases of major crops

Translates discoveries about plants' immune systems into disease-resistant crops in the field



Seeks molecular solutions where conventional breeding is unable or too slow to produce resistance; and where chemical control is unavailable, ineffective, or unaffordable



Advances resilient varieties for the developed and developing world, including smallholder farmers




Holds exclusive worldwide rights for the TAL Code in plants, and provides broad intellectual property access




Trains young scientists in cutting-edge molecular biosciences and business management skills to help advance the next generation of innovators


What are the projects of the 2Blades Foundation?




Wheat Rusts
field-level resistance against global stem rust threat with 5-gene stack




Asian Soybean Rust
industrial partnerships producing new sources of resistance from wild legumes




Citrus Canker
innovative resistance strategy confers protection to grapefruit in the field




Potato Late Blight in Africa
supporting partner International Potato Center to complete work on new African potato varieties with durable resistance to late blight



Corn Stalk and Ear Rots
identified resistance to multiple fungal diseases



Resistance Gene Diversity
expanded knowledge of resistance by cataloguing and studying genes from across the plant kingdom



Tomato Bacterial Diseases
demonstrated control of bacterial diseases in the field and yield increases

For more information, visit the 2Blades Foundation website: <https://2blades.org/>

 twitter.com/2blades

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