Target-driven breeding

IRRI’s breeding agenda has changed from a broad-based, target-driven and product-oriented strategy to one that is focused on specific targets and products. The new strategy, called Target-driven and product-oriented strategy (TDP), refocuses IRRI’s breeding efforts on specific target markets and the products that will be most valuable to farmers. This approach allows IRRI to be more efficient and effective in its breeding efforts, and to better meet the needs of its partners and stakeholders.

Hot spots mapped

Climate change is a major threat to global food security, and IRRI is working to develop new rice varieties that can cope with changing temperatures. Doctoral students and postdocs are using climate models to identify areas of the world where rice production is likely to be affected by climate change. This information will be used to develop new rice varieties that are more resilient to the effects of climate change.

Maps to outsmart pests

IRRI is working to develop new rice varieties that are resistant to pests and diseases. Scientists are using a variety of tools, including genetic technologies, to develop new rice varieties that are resistant to pests and diseases. This work is important because pests and diseases can cause significant damage to rice crops, and can reduce yields by up to 50% in some cases.

Gene unlocks potential

IRRI scientists have identified a gene that could unlock the potential of rice as a food source for people in the future. Known as the “golden rice” gene, this gene is responsible for the production of a protein that can improve the nutritional value of rice. This gene could be used to develop new rice varieties that are high in vitamin A, which is essential for good health.

A pest shield from wild rice

IRRI scientists are using wild rice to develop new rice varieties that are resistant to pests. Wild rice is a wild species of rice that is found in Asia, and it has a number of traits that make it resistant to pests. Scientists are using this wild rice as a breeding tool to develop new rice varieties that are resistant to pests.

High salinity tolerance

IRRI scientists are working to develop new rice varieties that can grow in saline environments. This is important because saline environments are becoming more common due to climate change and urbanization. Scientists are using a variety of tools, including genetic technologies, to develop new rice varieties that can grow in saline environments.

The mobile app Nutrient Manager for Rice

IRRI’s mobile app Nutrient Manager for Rice provides farmers with information on how to optimize rice yields. The app is designed to help farmers make better decisions about fertilizer use, and to maximize the amount of nutrients that are available to the rice crop.

Conclusion

In conclusion, IRRI is working hard to develop new rice varieties that are better suited to the needs of farmers around the world. The agency is using a variety of tools, including genetic technologies, to develop new rice varieties that are more resilient to pests and diseases, and that are better suited to the needs of farmers.

In the future, IRRI will continue to focus on developing new rice varieties that are better suited to the needs of farmers around the world. The agency is committed to developing rice varieties that are more resilient to pests and diseases, and that are better suited to the needs of farmers.

Director General’s message

IRRI scientists have a long-standing reputation for academic excellence as shown by their prolific publishing of research articles in leading scientific journals—nearly 400 over the last five years. In 2012 alone, IRRI scientists published more than 150 articles in peer-reviewed, high-impact journals, including Nature, Science, Nature Communications, Field Crops Research, Crop Science, Crop Science, Food Science, Advances in Agronomy, Theoretical and Applied Genetics, Genome and Genetics, Molecular Breeding, Journal of Cereal Science, Seed Science Technology, Journal of Applied Entomology, Journal of Environmental Biology, Ecotoxicol, Plant Soil, Plant Disease, Food Policy, Crop Protection, Reviews of Development Economics, and numerous others.

In another significant aspect of IRRI’s scientific publishing, IRRI, in partnership with Google Book Search (GBS), is providing free full-text versions of hundreds of our science-based books. Since December 2007, when IRRI went online with GBS, nearly 400 IRRI books—new and classic—have generated more than 2.5 million book views with an astonishing 17.2 million page views and more than 1,900,000 PDF downloads.
The year 2012 was another significant year for human resource modernization activities that include the development of new career paths, the introduction of additional individual and team performance recognition programs, and a continuing comprehensive workplace relations program. IRRI continues to provide a wide range of learning and development opportunities. It continues to be a friendly organization with an annual calendar of social and wellness activities, including: 

- Consultative workplace relations program. IRRI continues to provide a ... opportunities. It continues to be a friendly organization with...