

Bringing New Technologies to Wheat

Roundup Ready® Wheat the Development of Information on



chemical products, to eliminate waste, and to ways to treat human disease, to manufacture for our world's growing population. ensure abundant, healthful and affordable food Biotechnology is providing new, highly effective

the technology and the approach to market. provide answers to common questions regarding varieties. The purpose of this brochure is to Monsanto to develop Roundup Ready wheat have entered collaborative agreements with Several public and private breeding programs

varieties be available to farmers? When will Roundup Ready wheat

the following milestones have been achieved: Roundup Ready wheat will be introduced when



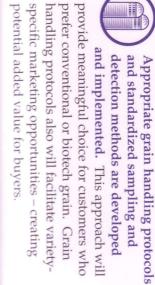
approvals in the United States, Canada The food, feed and environmental demonstrated, resulting in regulatory safety of Roundup Ready wheat is

when Roundup Ready wheat will be commercialized. The following milestones also Regulatory approvals alone will not determine and Japan. The intent is to commercialize in the United States and Canada simultaneously



export markets. This allows wheat to Appropriate regulatory trade agreements are in place in major approvals, thresholds or marketing

be traded based on buyer preferences and





management practices are stewardship programs and best Comprehensive agronomic

contain the Roundup Ready trait. solution for managing wheat volunteers that based production protocols and an effective developed. This includes science-



tor unique quality attributes prior quality. Varieties will be screened Varieties meet or exceed industry standards for grain end-use ingredients with biotech traits. Buyers are identified who will procure and use wheat

Roundup Ready wheat trials today? Aren't hundreds of acres planted to

processor acceptance.

technology is demonstrated by buyer and

Consumer acceptance for the

of the total U.S. wheat plantings. States – representing less than 0.00008 percent and research trials planted in the United 50 acres of Roundup Ready wheat breeding In Spring 2003, there were fewer than

wheat fields and seed stocks at risk? Does this research place non-biotech

guidelines on regulated biotech products to into commerce. We conduct all Roundup exceeding strict federal and state guidelines research with extreme care, adhering to or Ready wheat laboratory, greenhouse and field prevent the unintended introduction of grain USDA-APHIS has established strict research



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weed that can't be controlled? Will Roundup Ready wheat become a

objective for Monsanto. volunteers and to minimize risk is a primary solution to manage Roundup Ready wheat Ready wheat. Identifying an effective method for control of volunteer Roundup conducting research to find the most effective Monsanto and land-grant universities are available to control volunteer wheat. herbicides and cultural practices currently Growers will be able to use a broad range of

cause us to lose markets? Will adoption of Roundup Ready wheat

some export markets have expressed a approximately 45 percent of the market for environment, which represents complexities of today's trade and export preference for conventional sources of wheat U.S. spring wheat growers. As expected, We acknowledge and respect the

role within the wheat industry to buyers. Monsanto will play an appropriate market preferences. consistently and confidently meet those wheat that facilitates choice for wheat commercial approach for Roundup Ready including export customers – to develop a Monsanto is consulting the wheat industry

varieties will be ready for sale to growers inform customers about the safety and benefits of biotechnology prior to the time The wheat industry has an opportunity to

programs working with Monsanto? Why are private and public breeding

evaluations of the technology as it moves opportunities for thorough and careful growers. This collaboration provides options and improved profitability for a much-needed additional tool in weed-control growers in the Northern Plains and provide could increase the competitiveness of wheat toward commercialization. Incorporating the technology into wheat tool that saves growers time and money. is a proven, highly effective weed control The Roundup Ready system in other crops

to wheat growers? Will Roundup Ready wheat bring value

grassy weeds. provide control of nearly all broadleaf and the five-leaf stage at rates designed to Roundup® herbicides may be made up to effective control. Applications of labeled providing complete, dependable, costis to meet growers' weed control needs by The concept behind Roundup Ready wheat

benefits including: wheat growers a compelling set of technical Ready system can offer North American Years of field-trial data suggests the Roundup

- Broad-spectrum weed control
- Increased crop safety
- Increased yield
- Cleaner grain
- A different in-crop mode of action
- Simplified weed management
- Conservation-tillage enhancement