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Borealis at Stockholm World Water Week 2012

At this years Stockholm World Water Week Borealis highlights the importance of efficient drip irrigation systems for water and food security

More crop per drop - higher food output for lower water input

Today's global population of 7 billion is facing a growing issue of fresh water availability for drinking and to meet the demands of agriculture and food production. Around 70% of the Earth's fresh water resources are used for food production, in some countries this rises to as high as 90%. To feed the additional 2 billion people expected to be added to the global population over the coming decades it will, it is estimated, require a staggering 70% increase in food production. Clearly as there is no more fresh water to access, it is critical that a way is found to manage resources more efficiently in order to increase food output using less water than now.

This year's World Water Week in Stockholm taking place from August 26-31 will focus on water and food security Within its engagement in Water for the World, a programme, launched by Borealis and Borouge to contribute to the global water and sanitation channel, the companies have put a focus on the water-food nexus. As part of the Stockholm Water Weeks programme, Borealis will present a paper entitled 'Modern Irrigation Systems Improve Water Efficiency and Generate Wealth for the Farming Communities', (Workshop "Best use of blue water resource for food security" 09.40 hours on Tuesday 28 August)

Optimising irrigation for increased crop yield and water savings

With agriculture being the biggest consumer of fresh water resources and the pressing need to increase food production without increasing water consumption, the solution must lie in more sustainable water management through greater efficiency in irrigation practices. In order to understand how and what can be achieved, a study was initiated by Borealis and co-financed by different companies, to evaluate the effects of a water saving strategy in Italian agriculture. The study analysed the implications of introducing innovative water management policies and the use of the latest irrigation technologies such as drip and micro irrigation systems. In addition to a very significant reduction in water usage the study indicated the possibility of a monetary saving of up to EUR 17 billion over the next 30 years. [Read more about water management policies in agriculture.](#)

Improving irrigation system performance

Conserving water resources while increasing crop yields requires a major step-up in irrigation system efficiency. To contribute to that, Borealis and Borouge have introduced Borstar® Aquility™, an innovative family of products developed specifically to contribute high performance in advanced irrigation techniques. Designed for thin wall drip irrigation pipes and tapes, Borstar Aquility introduces a new level of cost efficiency and sustainability in production and application in modern irrigation systems. [Read more about Borstar® Aquility™.](#)

Stockholm Water Prize recognises outstanding contribution

A highlight of World Water Week is the annual award of the Stockholm Water Prize. This award recognises the outstanding contribution of an individual, institution or organisation whose work has had a beneficial impact on the conservation and preservation of water resources, as well as the health of the planet's inhabitants and its ecosystems. Borealis and Borouge are co-founder of this prestigious prize. The Laureate of the Stockholm Water Prize 2012 is the [International Water Management Institute](#), headquartered in

Colombo, Sri Lanka. The award cites the organisation's pioneering research, which has helped improve agriculture water management, the enhancement of food security and protected environmental health and alleviated poverty in developing countries. [Read more about the Stockholm Water Prize.](#)

Stockholm World Water Week

World Water Week - 26-31 August - held annually in Stockholm, has been the focus for the world's water issues for the past 20 years. Bringing together more than 2000 participants and 200 collaborating organisations, this leading global event promotes the sharing of views, experiences and expertise of scientific and business to advance water management and conservation programmes. Organised and hosted by the Stockholm International Water Institute (SIWI), each year the seminars and workshops of World Water Week all have a common theme: this year's theme is 'Water and Food Security'. For more information visit www.worldwaterweek.org.

Water for the World™ leverages know-how and partnerships

As a contribution to addressing global water challenges, in 2007 Borealis and Borouge launched the Water for the World initiative. Designed as a partnership platform to advance solutions, expertise and know-how, Water for the World is focused on improving access to water and sanitation, promoting sustainable water management practices, raising community awareness of water issues and encouraging participation in the preservation of water resources. For more information visit www.waterfortheworld.net.