

dry facts

www.bryair.com

Leaders in Dehumidification...Worldwide



PAKWA GROUP
Innovation is life

DRI
Innovative Air Solutions

delair
The Compressed Air Treatment System Company

TDS
Air Solutions on Rent

143

Oct-Nov-Dec 2016

Vol. XXXVI No. 4

SPOTLIGHT . . . The Future is Here!

Bry-Air Super **BrySmart**® series (BBS) Dehumidifiers

Integrating Industry 4.0, tomorrow based concepts and technologies, Bry-Air introduced BBS through a chain of seminars across India. The futuristic product is designed for continuously optimizing dynamic specific performance.

Launched
In Ahmedabad



50 years in HVAC

Mr. Prem Sagar, Director, Bry-Air was honoured for his contribution of 50 years to the HVAC&R industry at RACON 2016. Seen here with Mr. Manoj Chakroborty, (President Emeritus, ISHRAE, Kolkata Chapter) and Mr. Vishal Kapur, (Incoming President, ISHRAE)



Mr. Dinesh Gupta, President, Bry-Air, presented a technical paper on 'Sustainable HVAC Solutions with Adsorption Cooling Technology' at Racon 2016.

Strengthening International Network

The 2nd International Representatives Meeting 2016 held at Bry-Air corporate office, Gurgaon, provided a platform to Bry-Air's representatives from New Zealand, Jordan, Nepal, Bangladesh, Sri Lanka and Pakistan to enhance their sales network



NEW

Super **Bry-Air** **BrySmart**® series (BBS) Dehumidifiers

Embedded with Patented* **BrySmart**® and **BryTherm**™ Technologies

Embedded with patented* **BrySmart** Technology

- Energy saving upto 48%
- Optimized dehumidifier performance
- Reduced annual energy consumption
- Lower energy usage & maintenance cost
- Green technology

DSP™...

Dynamic Specific Performance
Continuously senses and monitors temperature at varying locations in the rotor thus providing data for continuously optimizing performance

Embedded with patented* **BryTherm**™ Technology

- Ensures maximum flexibility in operation
- User has the option to control parameter

Incorporating **BHP**™ (Bry-Air High Performance) Rotor with special Geometry and Chemistry

The customized rotor delivers an additional energy saving of upto 20% by reducing initial react energy input for equivalent performance of standard dehumidifiers.

Optional... **Bry-Air Prognos**™

Most advanced tool for predictive failure/maintenance... the new world order for continuously diagnosing and forecasting component failure e.g. heater, drivers, switchgears, etc.



Super **Bry-Air** **BrySmart**® series

Offer the Best in the World of Dehumidifiers
- as per the new proposed ASHRAE Standards on measuring Specific Performance for moisture removal: **kg/hr/kW**

Advantages

- Upto 48% energy saving
- Faster return on investment (ROI)
- Lowest cost of ownership
- Designed aesthetically for ruggedness and long life

Helps in your march towards achieving



BrySmart®

- US Patent No. : 8328904
- South Korea Patent No. : 10-1408990
- Canada Patent No. : 2703150
- Mexico Patent No. : 318916
- China Patent No. : ZL201080020064.8
- South Africa Patent No. : 2011/07893
- Australia Patent No. : 2010245643
- WO2010128522



BryTherm™

- WO2013038428
- South Africa Patent No. : 2014/01826
- Australia Patent No. : 2012310095

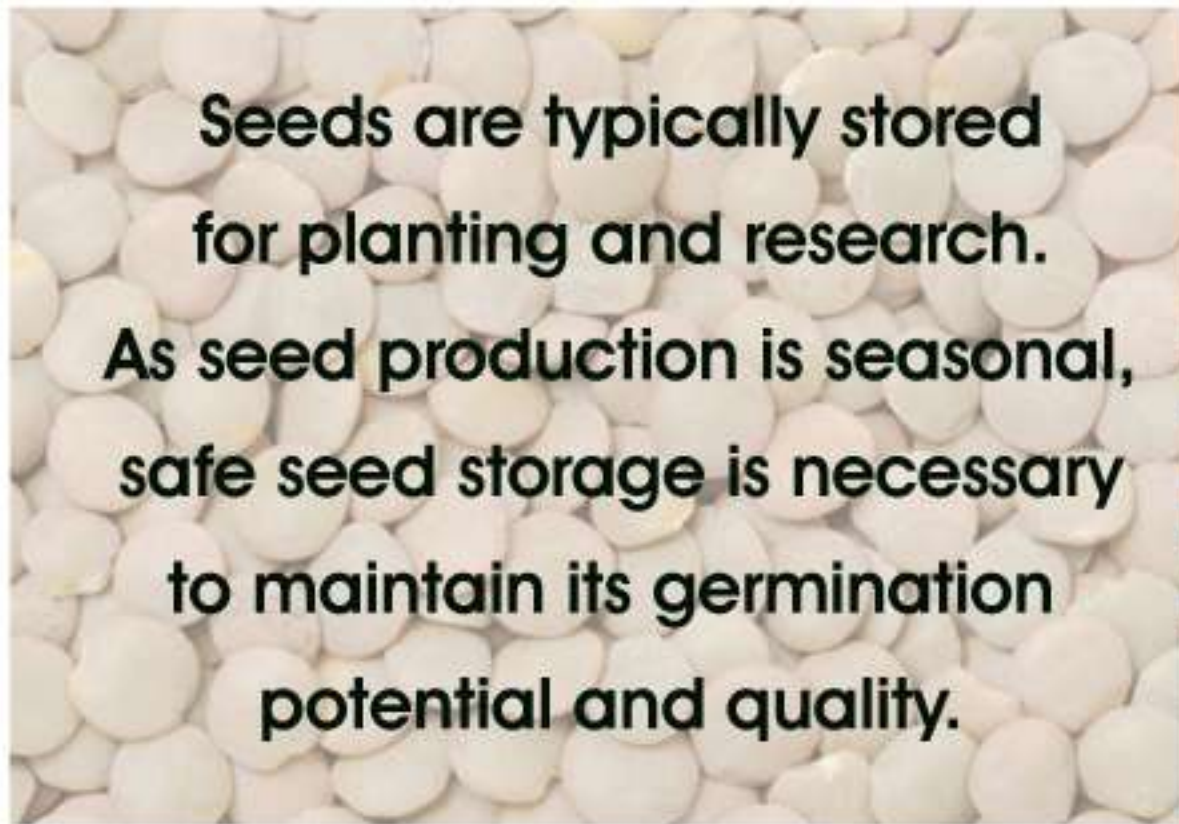


*BrySmart® and BryTherm™ are proprietary technologies of Bry-Air and is patent protected in several jurisdictions. Details are available at www.pahwa.com

When *moisture* is Torture

*In this column, we share our experience with you regularly
in major application areas where usage of dehumidification is both extensive and essential.*

Moisture Deteriorates Seed Quality



Seeds are typically stored for planting and research.

As seed production is seasonal, safe seed storage is necessary to maintain its germination potential and quality.

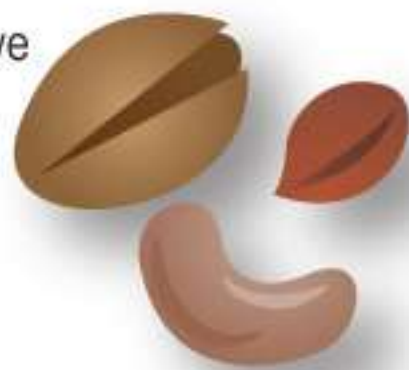


Sementes Produtiva, Brazil maintains their seed quality with **Bry-Air** Dehumidifier



is one of the major seed producers in Brazil.

They produce high quality seed and have partnered with large agribusiness companies. They focus on seed storage and processing.



In one of their farms, Barro Branco, they store large volumes of seeds in cold chambers. For proper seed storage, these cold chambers require humidity and temperature control to maintain seed viability and high germination ability until next year or sowing.

Challenges faced by Sementes Produtiva

- Low seed viability
- Low germination ability

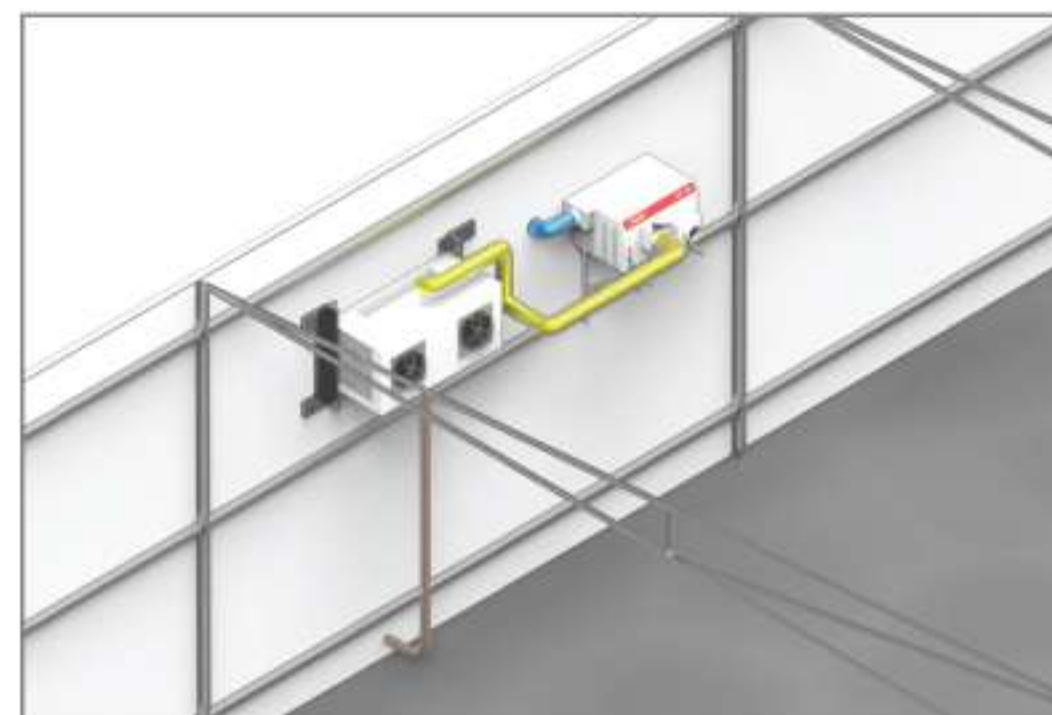
Sementes Produtiva used to remove moisture mechanically with refrigeration equipment. The RH level in the chamber varied from below 50% during dry season to over 60% during humid season, Whereas, the required RH level is to be maintained between 50% to 60%.

Eventually, the refrigeration method was unsuccessful in maintaining the required RH level which in turn affected the seed quality. In addition to this, the energy consumption was higher while using the conventional method.

Bry-Air Solution

When contacted, Bry-Air **AIRGINEERS™** recommended Sementes Produtiva to install Bry-Air Desiccant Dehumidifier at Barro Branco farm.

The dehumidifiers helped in maintaining seed quality by providing constant dry air at medium temperature all year round, irrespective to its ambient conditions. It effectively minimized the risk of seed damage and reduced the energy consumption significantly.



Preserving
the
Mother Seed
with
Tender Care



Enter Bry-Air... exit moisture





One Stop Shop for Gas Phase Filtration Systems

- Removes contaminated air most efficiently and economically
- Removes corrosive and odourous gases
- Prevents corrosion / breakdown of electronic equipment

DataCenter Air Purifier - Helps in protecting data center from electronic corrosion and abrupt failures.



Ecoscrub Gas Phase Filtration System (Granular type) - Cleans the contaminated air and eliminates odour. Makes healthy environment for man and machine.



Atmospheric Corrosivity Monitor - Measure the reactivity level of gaseous contaminants, room temperature and RH level. It helps in determining level of contamination.
Corrosion Monitoring service - Measures overall corrosion potential of an environment.



Ideal For:

- Data Centers, Server Rooms
- Petroleum & Oil Refineries
- Paper And Pulp
- Waste Water & Sewage Treatment Facilities
- Museums And Libraries
- Post Harvest Storage Facilities
- Iron & Steel
- Semiconductor
- Other Processing Industries



Ethylene Scrubber - Removes ethylene effectively and prevents wastage due to over ripening or rotting. It extends the shelf life of fruits and vegetables, minimizes loss due to decay, ensures off season availability and eliminates harmful preservation practices that use Nitrogen and Sulphur gas.



Bryorb Chemical Media - It is proprietary chemical media used for gas phase filtration to eliminate corrosive, odourous and toxic gases in industrial and commercial environment.



Honeycomb Chemical Filter - Honeycomb matrix based macro-porous chemical filters remove contaminants from air supply stream, comprising gases, odour elements or volatile organic compounds more efficiently and effectively.



www.bryair.com

For more information on any product application covered in this issue, please write to:

Marketing: Bry-Air (Asia) Pvt. Ltd.
21C, Sector 18, Gurgaon, 122015 (Haryana) Phone: +91-124-4091111
Fax : +91-124-4091100 E-mail : bryairmarketing@pahwa.com Web : www.bryair.com

Edited, Printed and Published by Vinita Pahwa on behalf of Arctic India Sales , a division of Bry-Air (Asia) Pvt. Ltd. 20, Rajpur Road, Delhi-110 054.