

# DUPONT™ TYVEK® AIR CARGO COVERS HELP KUEHNE & NAGEL IMPROVE ITS PERISHABLE CARE CAPABILITIES



## KUEHNE+NAGEL

### Global Shipping Experts

Companies around the globe rely on Kuehne & Nagel International, AG, to safely ship their products worldwide. With 900 offices located in more than 100 countries, Kuehne & Nagel is known as a shipping industry leader, delivering service excellence in seafreight, airfreight, road and contract logistics to thousands of clients. The company has been attuned to its customers' freight needs for more than 121 years, providing effective shipping solutions for everything from nonperishable goods to highly spoilable produce.

### Looking for a Better Way to Protect Perishable Products

Recently, Kuehne & Nagel expanded its worldwide perishable logistics operations, in turn creating a need to enhance its perishable care capabilities. The company reached out to DuPont for a product solution that would help reduce the total cost and spoilage of temperature-sensitive cargo.

The timing couldn't have been better because DuPont had just introduced DuPont™ Tyvek® Air Cargo Covers, an innovative product specifically developed for the transportation of temperature-sensitive cargo.

DuPont™ Tyvek® Air Cargo Covers are breathable, lightweight and exceptionally strong. They offer better temperature control during shipment than traditional shipping blankets and wraps because they allow potentially damaging moisture to escape, in turn reducing spoilage of a wide variety of perishable goods such as pharmaceuticals, fruits, flowers and vegetables.

### Kuehne & Nagel Puts DuPont™ Tyvek® Air Cargo Covers to the Test

In August 2011, Dennis Verkooy, Global Perishable Manager, Kuehne & Nagel, authorized a field trial of DuPont™ Tyvek® Air Cargo Covers on a shipment of ferns being transported from Vancouver, Canada, to Amsterdam, the Netherlands.



The test protocol was as simple as it was conclusive. Two identical pallets, each loaded with ferns, were used as the field test subjects. The “control” pallet was left uncovered. The test pallet was protected by a DuPont™

Tyvek® Air Cargo Cover. Both pallets had six temperature probes/data loggers placed in identical locations on the top row of the loads to monitor internal temperature.

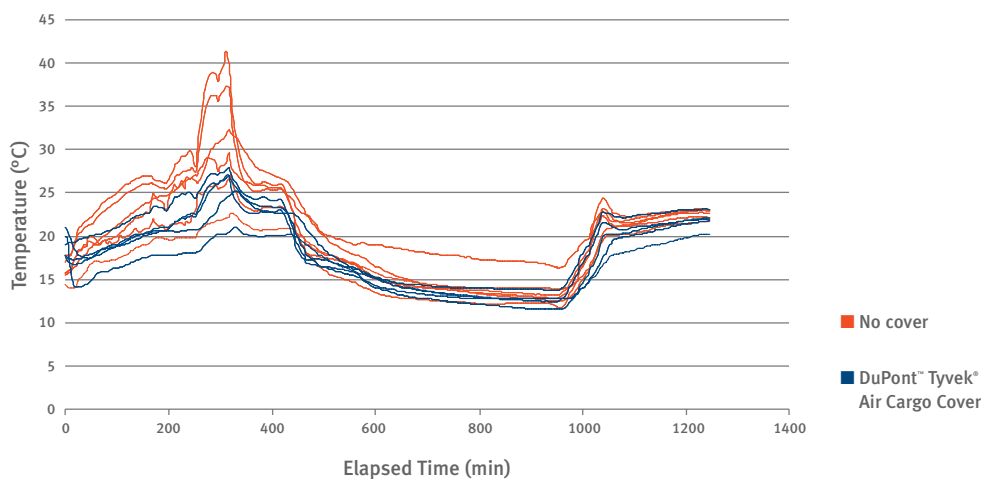
The data obtained throughout the test period clearly demonstrated that the ferns on the pallet protected by the DuPont™ Tyvek® Air Cargo Cover stayed cooler than the unprotected ferns. Of note, the covers reduced the temperature at the load “hot spot” by 15°C during the preflight time and provided significant protection against heat buildup in the loads.

## Field Trial Proves Benefits of DuPont™ Tyvek® Air Cargo Covers

After seeing the dramatic difference in the temperature of the ferns protected by DuPont™ Tyvek® Air Cargo Covers, Verkooy commented, “This is a great product. If this doesn’t convince potential clients, I don’t know what will.”

For Kuehne & Nagel, DuPont™ Tyvek® Air Cargo Covers provided an ideal solution for improving its perishable care capabilities. This unique product will enable Kuehne & Nagel to shield products from heat, cold and ultraviolet (UV) radiation throughout the entire shipping cycle: from load build through preflight staging, flight, off-loading and load breakdown, helping to enhance customer satisfaction.

### Temperature Profile; Kuehne & Nagel Fern Test, August 5, 2011



To learn more about how DuPont™ Tyvek® Air Cargo Covers can help protect your temperature-sensitive cargo, visit [www.aircargocovers.dupont.com](http://www.aircargocovers.dupont.com)



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\*Design and technology developed by Blueye LLC.