RFID
Food and Pharmaceutical Packaging

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CFDR

Development in “smart packaging”

Food Industry
and
Pharmaceutical Industry
Food Industry
2003
New RFID lab given by Franwell
Effects of Products and Packaging Materials
Food Industry
2004
First tests on produce with T&A and FreshExpress
Coast-to-Coast, tag location, speed of the load
Food Industry
2005
Compare Corrugated versus Plastic and Wirebound wooden crates
Food Industry
2005
Falling Tags!
Food Industry
2005
Embedding RFID tags on RPC
- try to reduce cost per use with RFID
- always tracking the life of the RPC
Food Industry
2005
Embedding RFID tags on RPC
- During injection molding process
- Cannot be removed
Food Industry
2005

Embedding RFID tags - injection molding
- Smaller containers
- More challenging
Food Industry
2005

Embedding RFID tags - injection molding
- Nature of the products
- Redesign the container – Read Rate
Food Industry
2006
Embedding RFID tags - injection molding
- Looking for smaller antenna design
- Read at 6” to 12 “ only
Pharmaceutical Industry

2006

Embedding RFID tags –
- Prescription Drugs (blow-molding)
- Blood products
- Packaging components
Conclusion

RFID Tags can be part of a package

Food Industry will benefit from new “smart technologies” using embedded RFID tag packaging

Pharmaceutical Industry can associate content with package even if label removed