

extending shelf-life



Pears



We improve air



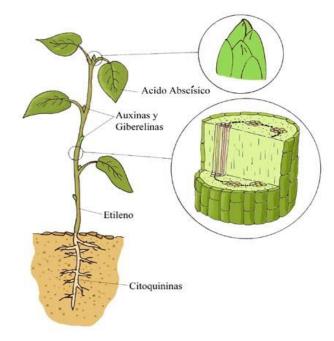


What is the Ethylene?

Plant hormone that regulates the processes associated with ripening and senescence.

Its accumulate in storage chambers and transport containers.

Physiologically active very **low concentrations** (0,015 ppm)

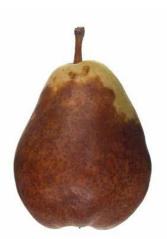




Effects of Ethylene on Pear

- Over- ripening.
- Softening (loss of firmness).
- Color change (yellowing).
- Higher susceptibility to scald.
- Higher incidence of rots ans fugnal infections.
- Shriveling and weight loss.





POST HARVEST **Pear & Ethylene** CARF by **BON** extending The **Pear** is a **climateric** fruit presenting a **broad range of** varieties which differ considerably with regards to their ethylene producction/sensibility and the duration of their **postharvest life**. Low Ethylene Williams (or Barlett) Low-Moderate Packhams Triumph, Blanquilla, Ercolini, Limonera Ethylene **Moderate** Anjou, Conferencia, Asiática Ethylene **High Etylene** Comice, Bosc

The solutions against ethylene must adapt to the variety and the period/mode of storage.





Williams or Barlett Pear

POST

HARVEST

by **BON**

CARF

extending shelf-life

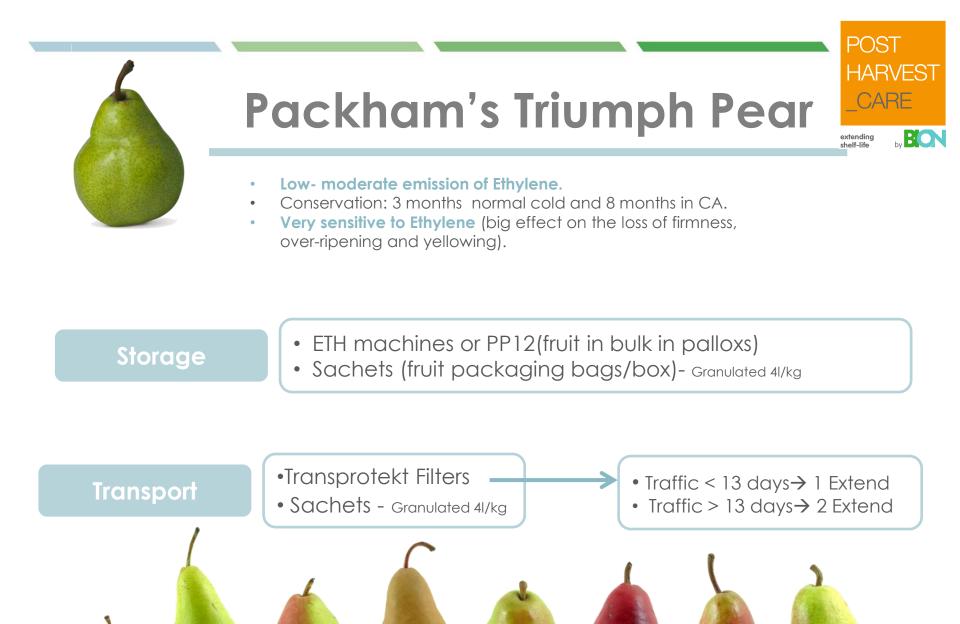
- Low emission of Ethylene.
- Conservation: 3 months normal cold and 6 months in CA.
- Very sensitive to Ethylene (big effect on the loss of firmness).

Storage

- ETH Machines (fruit in bulk in palloxs)
- Sachets (fruit packaging bags/box)- Granulated 41/kg

Chamber Volume	Model	Duration Granulated	Duration Granulated CA
850 m3	ETH – V850/1	105 días	210 días
1700 m3	ETH - V1700/2	105 días	210 días
Indifferent	1 Sachets 5 g/bag 15 – 20 kg fruit (normal cold or CA)		





	Anjou Pear	POST HARVEST CARE
	 Low emission of Ethylene. Conservation: 3 months normal cold and 10 months CA. Sensitive to Ethylene (big effect on the loss of firmness, overripening and yellowing). 	
Storage	 ETH Machine (fruit in bulk in palloxs Sachets (fruit packaging bags/box)- Granulated 41/kg 	

Chamber Volume	Model	Duration Granulated in normal cold	
850 m3	ETH – V850/2	30 days	
Indifferent	1 PP12 per 8 Tn Pear in normal cold or CA 1 PP12 per13 Tn Pear in ULO		
Indifferent	2 Sachets 15 g/bag 15 – 20 kg fruit (normal cold or CA)		

Transport

•Transprotekt Filters
• Sachets - Granulated 4I/kg
• Traffic < 15 days → 3 Extend
• Traffic > 15 days → 4 Extend

Advantatges

- Increases commercial life of produce.
- Reduces waste
- Keeps the **batch homogeneity** after artificial ripening.
- Prevent weight loss
- Is disposable.
- Keeps colour.
- Avoids complaints/returns/renegotiations from clients.
- Permite beneficios de las fluctuaciones de los precios.
- Is harmless to workers, produce and environment.
- Is easy to handle and cheap.
- Is usable in organic products.



POST

extending

HARVEST

by BON

CARF



extending shelf-life



Thank you



We improve air

www.bioconservacion.com

