

# Introductions

- 1986~1999.12 : Dongbu-Hannong Seeds (LG FarmHannong)  
Pepper Breeder
- 2000. 1. 1. : Established private breeding company  
→ 'ECOSEED' ,2006.
- 2003. : 'Yeogganghongjanggun'  
Resistant to Phytophthora blight
- 2015 : Established R&D Institute in Gimje Seed-Valley



# Breeding programs

- **Domestic pepper market**
  - Dry chili : multiple disease resistance – AR,TSWV,PR,CMV
  - Fresh pepper : adaptability of low temperature & light intensity, mild, high pungency, TSWV+PR+PMMoV+CMV
- **Tropical/subtropical markets : India, Pakistan**
  - Dual purpose, green fresh, desh
  - Virus ; **LCV**, CMV, GBNV
  - Bacterial wilt, Phytophthora blight,
  - Heat tolerance
  - High pungency
- **Chinese market : Screw type, upright type(single & clustered)**
  - TSWV+CMV+PR+PM





**ECOSEED**  
에코씨드

*Catalogue*



# ECO 871

8-10cm x 1.0cm, High yields, resistant to CMV, PR







# ECO871

- Vigorous plant with strong root system
- Excellent fruit setting
- 8.5~9.5 cm x 1.2~1.4 cm ,  
fresh 5.5~6 g /dried weight 1.1~1.3 g
- Big plant with good number of side branches







# ECO2128

- Light green, 14-16cm x 2.2cm,
- good fruit setting ,heat tolerance.
- High pungency, CMV-R



# ECO1208

-Light green, 14-16cmx1.1cm, good fruit setting.





# ECO205

Light green, 13-14x1.0cm  
high yield





# ECO3674

Very early, Excellent fruit setting, 13 x 1.3 cm with plastic shiny, Medium pungent





# ECO1209/ECO1210

15~16 x 1.5cm, green, early maturity, short internode, medium pungency, fresh purpose





# ECO3865

Very early, Excellent fruit setting, 11cm x 2.2~2.5cm / 2.2~2.5 g of dried fruit  
Smooth dried fruit and shiny deep red color





# ECO4324

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9~10 x 1.0cm, dark green, early maturity, short internode, dual purpose





# ECO8677 \_improved Hot Chili type

Shiny dark green fruit turn to shiny bright red , resistant to Phytophthora & CMV, High yields  
15-17 x 1.5cm dual purpose, medium pungency





# ECO6649

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Desi type, 6~8 x 2.2cm, green, early maturity, heat tolerance





# ECO4001

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Long & slim, 18~20 x 1.2cm, green, early maturity, short internodes





# ECO8361\_cherry type, 3x3cm

Good dried quality with high pungency, resistant to Phytophthora & CMV, High yields





# ECO8418

\_clustered upright type, 7~8x1.0cm

Good dried quality with high pungency, resistant to CMV, High yields





# ECO8435

single upright type, 8~9x1.0cm

Shiny dark green fruit turn to shiny bright red , resistant to Phytophthora & CMV, High yields





# ECOJala\_M Jalapeno type, 9~10x3.0cm

Shiny dark green fruit with thick flesh, no pungency  
Resistant to Phytophthora & CMV, High yields





# ECOJala\_H Jalapeno type, 9~10x3.0cm

Shiny dark green fruit with thick flesh, high pungency.  
Resistant to Phytophthora & CMV, High yields





# ECO8483

- 螺絲椒(Screwed type) for fresh purpose
- 25~27x4.0cm
- Crispy fruit with dark green color
- High pungency





# 螺絲椒

F-488

F-477

F-478

F-486

F-474

F-497

F-493

F-490

• ECO8483.....25~27x4.0cm

• ECO9325.....30x4.0cm

• ECO9368.....30x3.5cm

F-485

F-475

螺絲5号

螺絲3号

螺絲2号

螺絲2号

F-483

F-484



# D-34 Korean type, 16~18x2.2cm

Multiple disease resistance : Anthracnose(*C. acutatum*), TSWV, CMV, Phytophthora.  
Good dried quality, medium pungency





# Dual purpose

- For East-South & West-South Asia,
- Heat tolerance
- High pungency





# Desi type

- Early maturity
- High yields
- Heat tolerance
- Resistance to multi-disease



F-772

F-774



F-773

Golden H.



## DESI TYPE

S/D	2019.01.31
T/D	2019.04.27
H/D	2019.08.01

## DESI TYPE

S/D	2019.01.31
T/D	2019.04.27
H/D	2019.08.01



# Characteristics

Variety	Segment	Length cm	Width cm	Pungency	DNA-marker	Usage	Remarks
ECO1208	Green fresh	14-16	1.1-1.3	medium	-	fresh	
ECO205	Green fresh	12-13	1.0-1.1	medium	-	fresh	
ECO871	Small fruit	8-10	1.0	high	CMV, PR	dual	
ECO4324	Small fruit	8-10	0.9	high	CMV, PR	dual	
ECO3674	Green fresh	12-13	1.3-1.5	medium	-	fresh	
SK-2	Upright/ clustered	5-7	1.0	medium	-	dry	
ECO8435	Upright/ single	7-8	1.0	high	CMV, PR	fresh	
ECO8361	Cherry/ upright	3.0	2.5-3.0	high	CMV, PR	dry	
ECO6649	Desi	6-7	2.0-2.5	medium	-	dual	
ECO2271	Desi	6-7	2.0-2.5	medium	TSWV,CMV,PR	fresh	
ECO2181	Green fresh	13-14	2.0-2.2	high	CMV, PR	dual	
D-34	Korean	16-18	2.0-2.2	medium	Anthracnose, TSWV, CMV, PR,	dry	<i>C. acutatum</i>



**Thank you~!**

