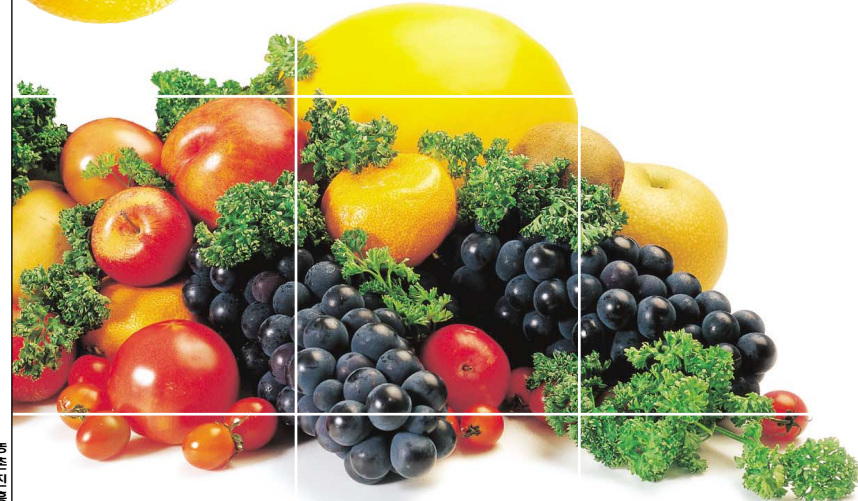
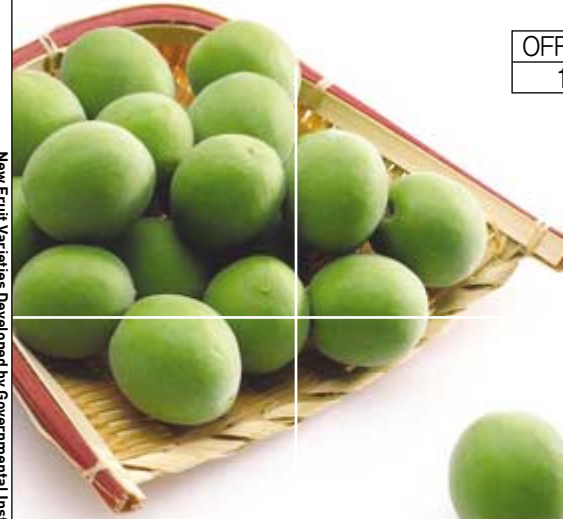




New Fruit Varieties
Developed by
Governmental
Institute of Korea

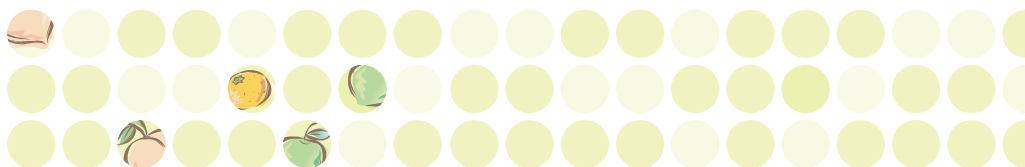
직무 육성 과수 신품종





- 04** *Apple* _ 사과
- 10** *Asian Pear* _ 배
- 18** *Peach & Nectarine* _ 복숭아
- 22** *Grape* _ 포도
- 26** *Citrus* _ 감귤
- 30** *Kiwi Fruit* _ 참다래
- 34** *Japanese Plum* _ 자두
- 35** *Apricot* _ 살구
- 36** *Chinese Date* _ 대추
- 38** *Japanese Apricot* _ 매실
- 40** *Yuzu* _ 유자
- 41** *Loquat* _ 비파





Apple 사과

| New varieties bred by NHRI and GARES



Hongro

홍로 1988

Mid maturing, crisp flesh and juicy with high sugar and low acid content 9월 상중순, 300g, 14,5°Bx



Gamhong

감홍 1992

Late maturing, sweet and juicy, spur type 10월 상중순, 350g, 15°Bx



Chukwang

추광 1992

Mid maturing, crisp flesh, sweet spur type 9월 상중순, 300g, 13°Bx



Hwahong

화홍 1992

Very late maturing, juice with high sugarcontent 10월 중하순, 300g, 15°Bx

Apple



Hwarang

화랑 1994 (GARES)

Very late maturing, bud sport of Fuji, spur type
10월 하순, 300g, 14.5°Bx



Seokwang

서광 1995

Early maturing, good balance of sugar and acid
8월 상중순, 300g, 13°Bx



Saenara

새나라 1997

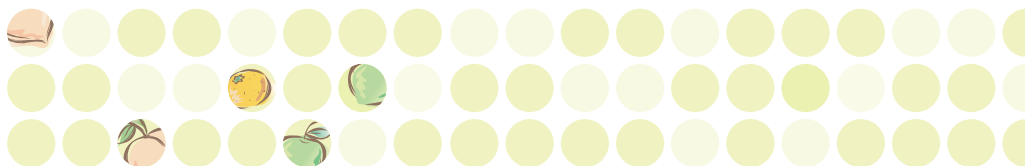
Early-mid maturing, crisp flesh, juicy with good
sugar-acid balance 9월 상순, 300g, 13°Bx



Sunhong

선홍 2000

Early maturing, big fruit with high sugar content
8월 중하순, 300g, 14.5°Bx



Apple 사과

| New varieties bred by NHRI



Honggeum

홍금 2004

Mid maturing, high quality having a good sugar-acid balance 9월 상중순, 270g, 14.5°Bx



Seohong

서홍 2004

Early maturing, longest shelf life (2 weeks) among early-season apple varieties 8월 하순, 300g, 14Bx



Summer Dream

썸머드림 2005

Very early maturing, crisp flesh, juicy with excellent quality 8월 상순, 220g, 13.4°Bx



Manbok

만복 2006

Early maturing, firm and crisp flesh 8월 상중순, 250g, 14°Bx

Apple

| New varieties bred by NHRI



Hongso

홍소 2006

Mid maturing, excellent quality with good sugar-acid balance 9월 중하순, 300g, 14,3°Bx



Hongan

홍안 2006

Mid-late maturing, good fruit shape and high quality 9월 하순, 300g, 14°Bx

| Leading varieties in Korea



Fuji

후지 1962

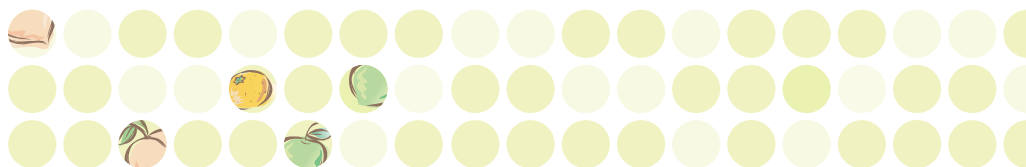
Very late maturing, high quality and long storage life, major variety in Korea 10월 하순, 320g, 14,5°Bx



Tsugaru

쓰가루 1975

Early maturing, good balance of sugar and acid 8월 중하순, 300g, 13,5°Bx

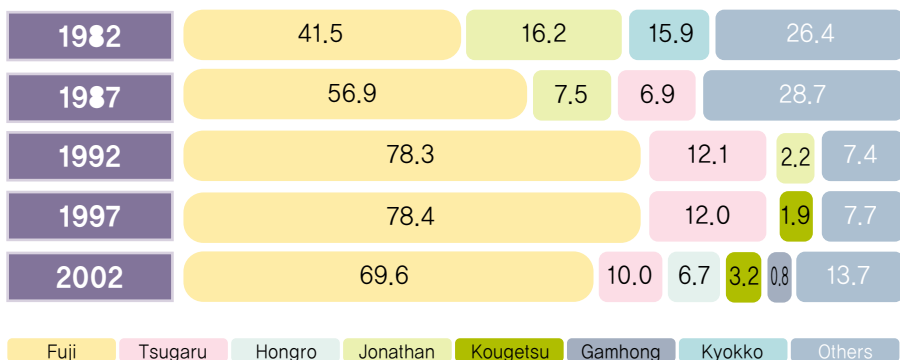


■ Major characteristics of new apple varieties bred and released by NHRI, RDA.

Variety	Year released	Parentage	Fruit Shape	Fruit color	Juiciness	Diseases Susceptibility
Hongro 홍로	1988	Spur Earliblaze × Spur Golden	Globose conical	Red flushed	High	Sus. Alternaria blotch
Chukwang 추광	1992	Fuji × Mollie's Delicious	Flat globose	Red flushed	High	Med. bitter rot
Gamhong 감홍	1992	Spur Earliblaze × Golden Delicious	Oblong	Red flushed	High	Sus. bitter pit
Hwahong 화홍	1992	Fuji × Sekaiichi	Globose	Red flushed	High	Med. bitter rot
Seokwang 서광	1995	Mollie's Delicious × Gala	Globose	Red flushed	Medium	prone to soften
Saenara 새나라	1997	Spur Earliblaze × Golden Delicious	Conical	Red striped	High	Sus. Alternaria blotch
Sunhong 선홍	2000	Hongro × Chukwang	Conical	Light red flushed	High	Sus. Alternaria blotch
Honggeum 홍금	2004	Senshu × Hongro	Oblong	Light red flushed	High	Med. white rot
Seohong 서홍	2004	Tsugaru × Chukwang	Globose	Light red flushed	High	prone to June drop
Summer Dream 썸머드림	2005	Tsugaru × Natsumidori	Flat globose	Light red striped	High	Sus. bitter rot
Manbok 만복	2006	Earliblaze × Fuji	Flat globose	Dark red striped	Medium	Sus. Alternaria blotch
Hongso 홍소	2006	Yoko × Hongro	Globose Conical	Light red	High	Med. bitter rot
Hongan 홍안	2006	Fuji × Jonathan	Globose	Red	High	Res. bitter rot
Fuji 후지	1962 (Japan)	Ralls Janet × Delicious	Roundish obloing	Red flushed	High	Sus. bitter rot & canker
Tsugaru 쓰가루	1975 (Japan)	Golden Delicious × Jonathan	Roundish obloing	Red	High	Med. powdery mildew

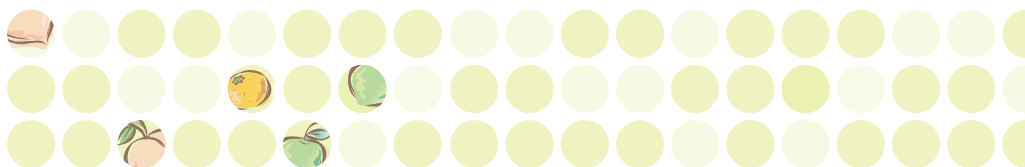
※ Sus ; Susceptible, Res ; Resistant, Med ; Medium

Apple



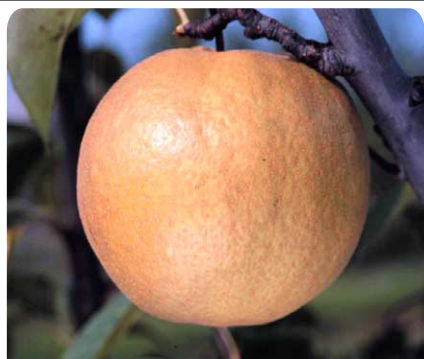
※ Changes of growing area share of apple varieties





Asian Pear 배

| New varieties bred by NHRI



Danbae

단배 1969

Late maturing, very sweet and juicy, short storage life, disease resistant 10월 상중순, 550g, 13.0°Bx



Hwangkeumbaek

황금배 1984

Mid maturing, attractive appearance and good eating quality 9월 중순, 450g, 14.9°Bx



Chuhwangbaek

추황배 1985

Very late maturing, crisp flesh, juicy with good sugar-acid balance 10월 하순, 450g, 14.1°Bx



Youngsanbaek

영산배 1986

Mid-late maturing, large size, high sugar and excellent eating quality, short storage life 9월 하순, 650g, 13.2°Bx

Asian Pear



Soohwangbae

수황배 1988

Mid-late maturing, very sweet and juicy, high quality
9월 하순, 500g, 12,0°Bx



Gamcheonbae

감천배 1990

Late maturing, very sweet and soft, low acid
10월 상순, 590g, 13,3°Bx



Whasan

화산 1992

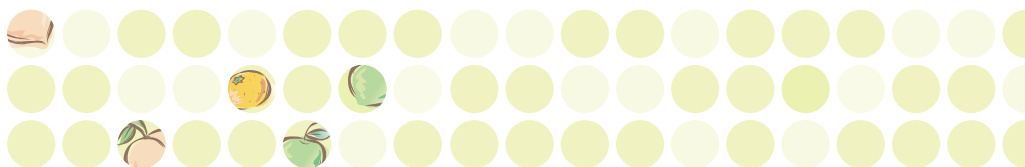
Mid-late maturing, attractive appearance, very sweet and juicy 9월 하순, 540g, 12,9°Bx



Wonhwang

원황 1994

Early-mid maturing, excellent eating quality, sweet and juicy 9월 상순, 560g, 13,4°Bx



Asian Pear 배

| New varieties bred by NHRI



Mihwang

미황 1995

Late maturing, high quality, soft and juicy, low acid
10월 중순, 480g, 12,7°Bx



Mansoo

만수 1995

Very late maturing, long storage life, large and juicy
10월 하순, 660g, 12,4°Bx



Shinil

신일 1995

Early-mid maturing, attractive appearance, sweet and juicy
9월 상순, 370g, 13,2°Bx



Sunhwang

선황 1996

Early - mid maturing, sweet and crisp, high quality
9월 상중, 390g, 13,2°Bx

Asian Pear



Manpungbae

만풍배 1997

Mid-late maturing, very soft, juicy and sweet, noble savor 9월 하순, 770g, 13,3°Bx



Josenghwangkeum

조생황금 1998

Early maturing, crisp and juicy, high eating quality 8월 하순, 410g, 12,8°Bx



Gamro

감로 1996

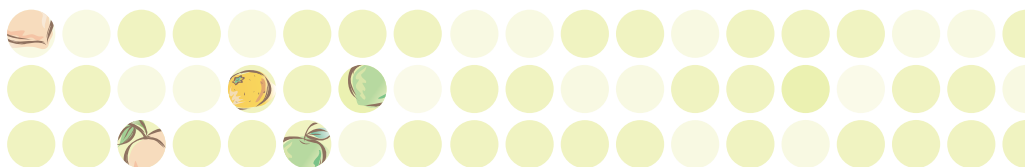
Early maturing, sweet and juicy 8월 중순, 310g, 13,2°Bx



Minibae

미니배 1996

Very early maturing, small size, eatable fruit peel 8월 상순, 250g, 10,5°Bx



Asian Pear 배

| New varieties bred by NHRI



Shincheon

신천 1999

Early maturing, very juicy, favored to eat during summer vacation 8월 중순, 360g, 13,2°Bx



Geumchonjosaeng

금촌조생 2001

Early-mid maturing, very sweet and juicy, medium storage life 9월 상순, 550g, 13,2°Bx



Hanaruem

한아름 2001

Early maturing, high eating quality, very soft and juicy 8월 중하순, 480g, 13,8°Bx



Jinhwang

진황 2004

Early-mid maturing, soft, juicy and sweet, attractive appearance 9월 상순, 500g, 13,1°Bx

Asian Pear



Noksu

녹수 2005

Early maturing, green skin color, excellent eating quality 8월 하순, 530g, 11.9°Bx



Sooyoung

수영 2006

Mid-late maturing, crisp, high sugar and low acid content 9월 하순, 430g, 15.0°Bx



Manhwang

만황 2006

Very late maturing, high quality, long storage life 10월 하순, 560g, 14.0°Bx

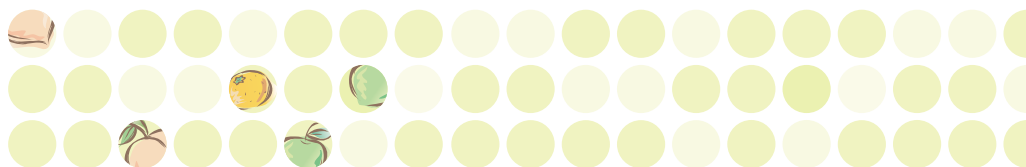
Leading variety in Korea



Niitaka

신고 1927 (Japan)

Late maturing, attractive appearance, soft and juicy, major variety in Korea 10월 상순, 550g, 11.4°Bx



■ Major characteristics of new Asian pear varieties bred and released by NHRI, RDA.

Variety	Year released	Parentage	Harvest (DAF) ²	Flesh color	Flesh texture	Flesh Grittiness
Danbae 단배	1969	Chojuro × Cheongsilri	176	White	Soft	Negligible
Hwangkeumbae 황금배	1984 Nijisseiki	Niitaka ×	153	White soft	Very	Negligible
Chuhwangbae 주황배	1985 Nijisseiki	Imamuraaki ×	186	White	Soft	Little
Youngsanbae 영산배	1986 Danbae	Niitaka ×	165	White	Soft	Negligible
Gamcheonbae 감천배	1990 Danbae	Okusankichi ×	173	White soft	Very	Negligible
Hwasan 화산	1992	Hosui × Okusankichi	155	White	Very soft	Negligible
Wonhwang 원황	1994	Waseaka × Okusankichi	135	Creamy white	Soft	Negligible
Sunhwang 선황	1995	Niitaka × Okusankichi	131	White	Soft	Negligible
Shinil 신일	1995	Shinko × Hosui	135	White	Soft	Negligible
Mihwang 미황	1995	Hosui × Okusankichi	179	White	Very soft	Negligible
Mansoo 만수	1995	Danbae × Okusankichi	190	White	Soft	Negligible
Minibaе 미니배	1996	Danbae × Kosui	107	Pale yellow	Soft	Negligible
Gamro 감로	1996	Niitaka × Shinsui	119	White	Very soft	Negligible
Manpungbae 만풍배	1997	Hosui × Okusankichi	159	White	Very soft	Negligible
Josenghwangkeum 조생황금	1998	Niitaka × Shinko	134	White	Soft	Negligible

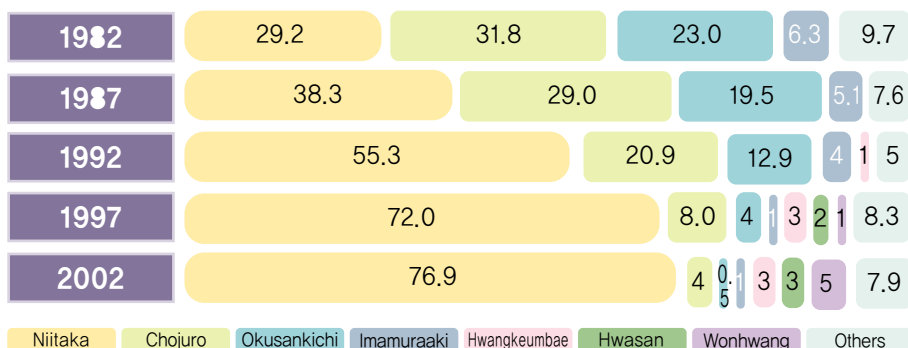
²Days after full bloom

Asian Pear

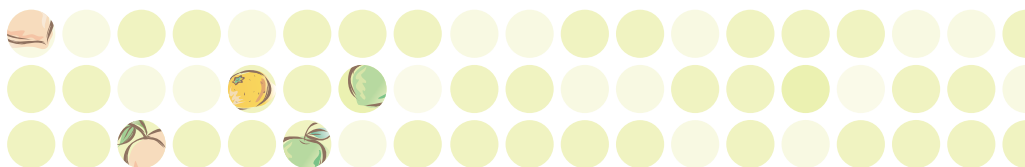
■ Major characteristics of new Asian pear varieties bred and released by NHRI, RDA.

Variety	Year released	Parentage	Harvest (DAF) ²	Flesh color	Flesh texture	Flesh Grittiness
Shincheon 신천	1999	Niitaka × Chuhwangbae	121	White	Very soft	Negligible
Hanaruem 한아름	2001	Niitaka × Chuhwangbae	124	White	Very soft	Negligible
Geumchonjosaeng 금촌조생	2001	Imamuraaki × Danbae	136	White	Soft	Negligible
Jinhwang 진황	2004	Danbae × Kosui	136	White	Very soft	Negligible
Noksu 녹수	2005	Danbae × Kosui	128	White	Soft	Negligible
Sooyoung 수영	2006	Niitaka × Soohwangbae	157	White	Soft	Negligible
Manhwang 만황	2006	Chuhwangbae × Okusankichi	190	White	Soft	Little
Niitaka 신고	1927 (Japan)	Amanogawa × Imamuraaki	170	White	Soft	Little

²Days after full bloom



※ Changes of growing area share of pear varieties



Peach 복숭아

| New varieties bred by NHRI



Yumyeong

유명 1977

Late maturing, long shelf life, stony hard flesh
8월 하순, 300g, 12,0°Bx



Baekmijosaeng

백미조생 1983

Very early maturing, soft-melting, white flesh
6월 하순, 180g, 10,3°Bx



Baekhyang

백향 1994

Late maturing, sweet and flavor-rich flesh
9월 상순, 300g, 12,5°Bx



Jinmi

진미 1998

Late maturing, very sweet, soft white flesh
8월 하순, 270g, 13°Bx

Peach

| New varieties bred by NHRI



Soomee

수미 2004

Late maturing, soft-melting, attractive appearance
8월 하순-9월 상순, 300g, 12.7°Bx



Mihong

미홍 2005

Early maturing, attractive color and shape
6월 하순-7월 상순, 180g, 10.6°Bx

| Leading varieties in Korea



Kurakatawase

창방조생 1951 (Japan)

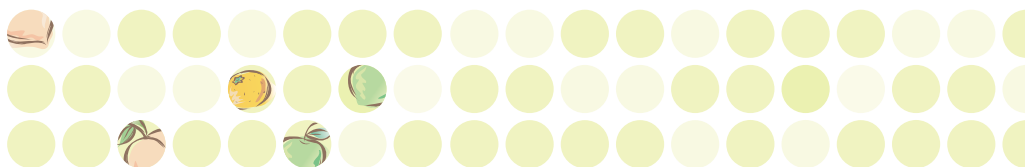
Early maturing, attractive appearance
7월 하순, 230g, 10°Bx



Changhowon Hwangdo

장호원황도 1993 (Korea)

Very late maturing, flavor-rich yellow flesh
9월 하순, 300g, 12.5°Bx



Nectarine 천도

| New varieties bred by NHRI

| Leading varieties in Korea



Cheonhong

천홍 1992

Early maturing, flavor-rich yellow flesh

7월 하순, 250g, 12°Bx



SunGlo

선광 1962 (USA)

Mid maturing, flavorful yellow flesh

8월 중순, 200g, 11.8°Bx



Suhong

수홍 2003

Good appearance and mid-season nectarine

8월 중순, 260g, 12°Bx



Suhou

수봉 1970 (Japan)

Late maturing, sweet and low acid nectarine

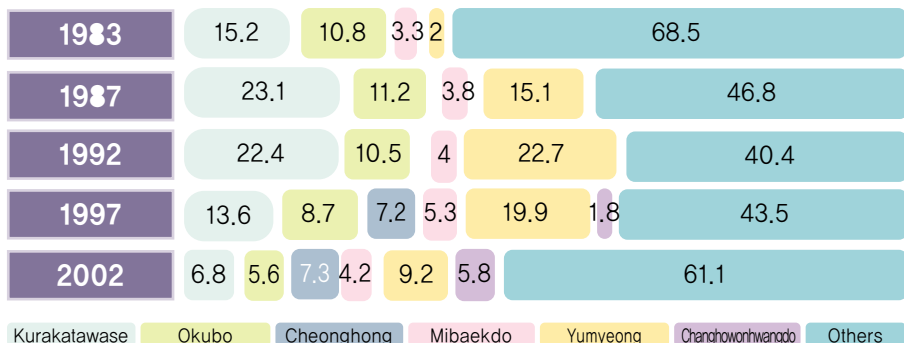
9월 중순, 220g, 11.5°Bx

Peach & Nectarine

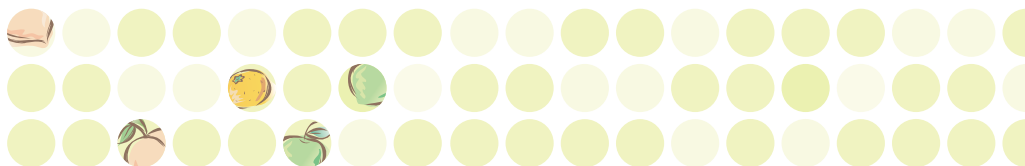
■ Major characteristics of new peach and nectarine varieties bred and released by NHRI, RDA.

Variety	Year released	Parentage	Harvest (DAF) [*]	Flesh color	Flesh texture	Flesh Grittiness
Yumyeong 유명	1977	Yamatowase × Sunagowase	120	White	Cling	Stony hard
Baekmijosaeng 백미조생	1983	Mishima Hakuto × Sunagowase	63	White	Cling	Soft melting
Cheonhongy 천홍	1992	Garden State OP	100	Yellow	Cling	Soft melting
Baekhyang 백향	1994	Garden State OP	130	White	Free	Soft melting
Jinmi 진미	1998	Hakuto × Nunomewase	125	White	Cling	Soft melting
Suhongy 수홍	2003	SunGlo × Chenoghong	115	Yellow	Cling	Soft melting
Soomee 수미	2004	Yumyeong × Chiyomaru	138	White	Cling	Soft melting
Mihong 미홍	2005	Yumyeong × Chiyomaru	77	White	Cling	Soft melting
Kurakatawase 창박조생	1951 (Japan)	(Tuscan x Hakuto) × unknown seedling	88	white	Cling	Soft melting
Changhownhwango 장춘원 황도	1993 (Korea)	Unknown	150	Yellow	Cling	Soft melting
SunGloy 선광	1962 (USA)	Sungrand OP	121	Yellow	Free	Soft melting
Shuhoy 수봉	1970 (Japan)	Chance seedling	140	Yellow	Cling	Soft melting

^{*}Days after full bloom; ^{*}Nectarine



※ Changes of growing area share of peach varieties



Grape 포도

| New varieties bred by NHRI



Cheongsoo

청수(淸水) 1993

Early maturing, white, sweet and seedless
8월 상순, 4,2g, 16,0°Bx



Hongdan

홍단(紅丹) 1994

Early maturing, attractive red and sweet
8월 하순, 5,2g, 17,2°Bx



Tamnara

탐나라 1998

Early maturing, black and sweet
8월 하순, 5,2g, 17,2°Bx



Hongisul

홍이슬 2000

Mid maturing, red, sweet with low acid, red
9월 상순, 5,9g, 16,3°Bx

Grape



Heukgoosul

흑구슬 2000

Mid maturing, black, very large and sweet
9월 중순, 14.4g, 18.4°Bx



Heukboseok

흑보석(黑寶石) 2003

Mid maturing, black, large and sweet, excellent setting
9월 중순, 10.6g, 18.4°Bx



Suok

수옥 (秀玉) 2004

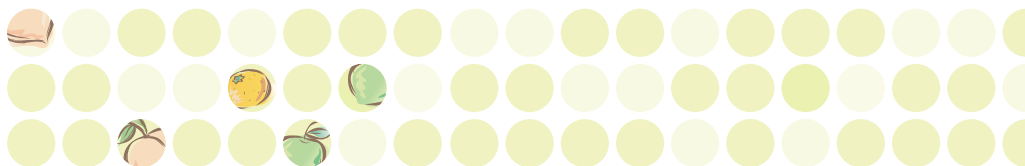
Late maturing, black, large and sweet with low acid
9월 하순, 10.9g, 18.5°Bx



Jinok

진옥 (眞玉) 2004

Early maturing, sweet, excellent setting
8월 중순, 6.0g, 15.6°Bx



Grape 포도

| New varieties bred by NHRI

| Leading varieties in Korea



Doonuri

두누리 2006

Early maturing, attractive and sweet, excellent setting 8월 하순, 5.1g, 16.4°Bx



Campbell Early

캠벨얼리 1896 (USA)

Early maturing, black with fox flavor, low shattering 8월 하순, 5.0g, 14.0°Bx



Tamnara

탐나라 1998

Fruit setting
탐나라 품종 착과 전경



Kyoho

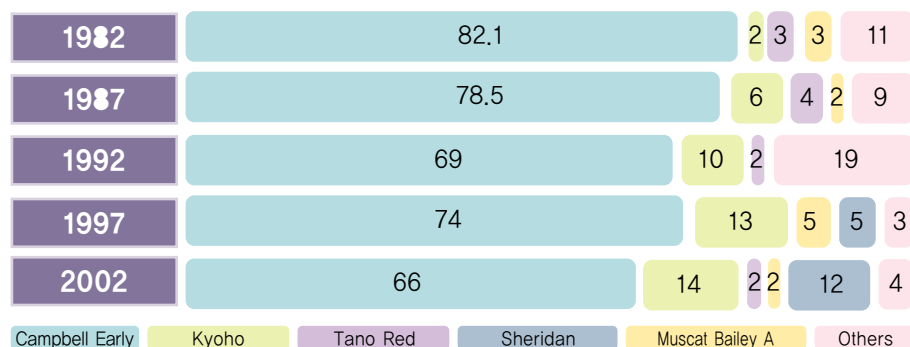
거봉(巨峰) 1945(Japan)

Mid maturing, black, large and sweet
9월 중순, 11.5g, 16.5°Bx

Grape

■ Major characteristics of new grapevine varieties bred and released by NHRI, RDA

Variety	Year released	Parentage	Cluster weight(g)	Berry weight(g)	Berry skin color	Soluble solids(° Bx)
Cheongsoo 청수	1993	S.9110 × Himrod seedless	250	4.2	white	16.0
Hongdan 홍단	1994	Cambell Early × Himrod seedless	315	5.2	red	17.2
Tamnara 탐나라	1998	Cambell Early × Himrod seedless	323	7.5	black	17.2
Hongsul 홍이슬	2000	Cambell Early × Himrod seedless	325	5.9	red	16.3
Heukgoosul 흑구슬	2000	Golden Muscat × Pione	450	14.4	black	18.4
Heukboseok 흑보석	2003	Beniizu × Kyoho	452	10.6	black	18.4
Jinok 진옥	2004	Delaware × Campbell Early	320	6.0	black	15.8
Suok 수옥	2004	Kyoho × Beniizu	445	10.9	black	18.5
Doonuri 두누리	2006	Schuyter × Campbell Early	331	5.1	black	16.4
Campbell Early (캠벨얼리)	1896 (USA)	Moore Early × Velvidere	324	5.5	black	15.0
Kyoho (거봉)	1945 (Japan)	Ishiharawase × Centennial	450	11.6	black	17.1



※Changes of growing area share of grapevine varieties



Citrus 감귤

| New varieties bred by NISA

| Leading varieties in Korea



Harye Josaeng

하례조생 2004

Early maturing, high sugar

11월 상중순, 100g내외, 10,6°Bx



Miyakawa Wase

궁천조생 1925(Japan)

Early maturing, low sugar and high acid

11월 상중순, 100g내외, 9,8°Bx, 1,24%



Tamna Josaeng

탐나조생 2005

Early maturing, low acid

11월 상중순, 80g, 9,8°Bx, 0,97%



Okitsu Wase

흥진조생 1963(Japan)

Early maturing, more vigorous than Miyakawa wase,

Fruit quality is similar to Miyakawa wase

Citrus

| New varieties bred by NISA



Poongkwang

풍광네이블오렌지 2006

Late maturing, cold resistant, large size with low acid
2월 상순, 320g, 11.9°Bx

| Leading varieties in Korea



Washington Navel Orange

와싱턴네이블오렌지 1922(USA)

Late maturing, heavy weight with medium navel size
2월 상순, 290g, 11.7°Bx

| New varieties bred by JARES



Sangdo Josaeng

상도조생 2006

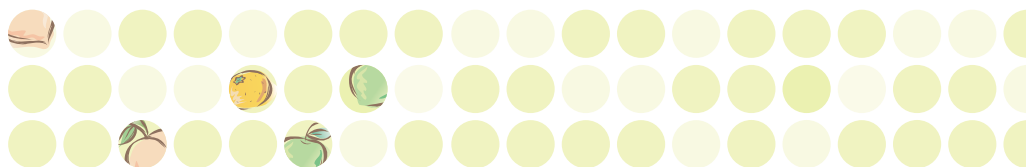
Very early maturing, attractive and sweet
10월 하순, 10.6°Bx, 1.0%



Ueno Wase

상야조생 1970 (Japan)

Very early maturing
10월 하순, 10.0°Bx, 1.0%

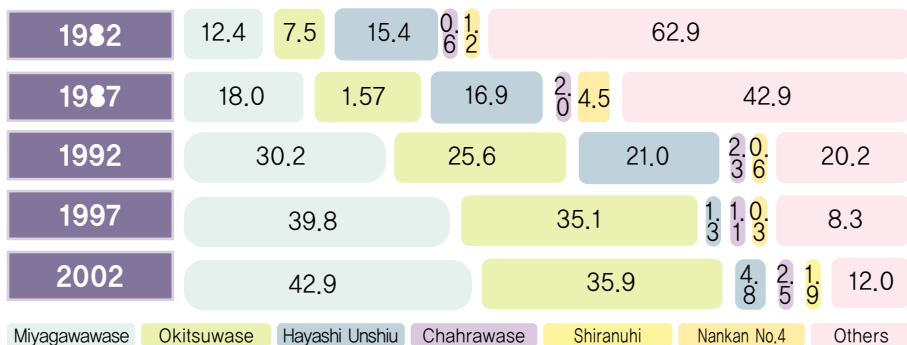


■Major characteristics of new citrus varieties bred and released by NISA, RDA and JARES.

Variety	Year released	Parentage	Harvest (DAF) ²	Flesh color	Flesh juiciness	Flesh sweetness
Harye Josaeng 하례조생	2004	Tachima Wase × Natsudaaidai (Nucellar selection)	180	Yellow	High	Sweet
Tamna Josaeng 탐나조생	2005	Handa unshiu × Natsudaaidai (Nucellar selection)	190	Yellow	High	Sweet and low acid
Sangdo Josaeng 상도조생	2006	Sasaki unshiu's washmutant	160	Yellow	High	Sweet
Poongkwang 풍광네이블 오렌지	2006	Washington navel orange Byungkyool (Nucellar selection)	320	Orange	High	Sweet and low acid
Miyakawa Wase 궁천조생	1925 (Japan)	Domestic unshiu (Bud mutation)	190-200	Yellow	High	High acid
Okitsu Wase 흥진조생	1963 (Japan)	Miyakawa wase × Karatachi (Nucellar selection)	190-200	Yellow	High	High acid
Ueno Wase 상야조생	1970 (Japan)	Miyagawa Wase's mutant	165	Yellow	High	Sweet
Washington Navel Orange 와싱턴네이블 오렌지	1922(?) (USA)	Selecta orange (Bud mutation)	260	Orange	High	Sweet and acid

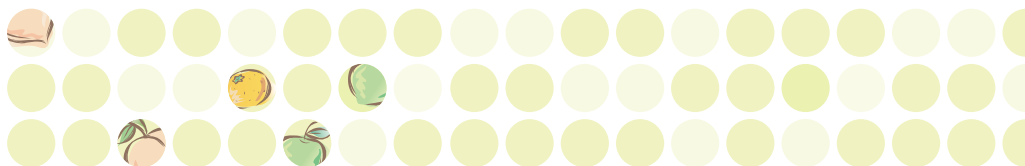
²Days after full bloom

Citrus



※ Changes of growing area share of citrus varieties,





Kiwi Fruit 키위

| New varieties bred by NHRI

| Leading varieties in Korea



Po-ok

보옥 1995

Mid-late maturing, dark green flesh with low acid
10월 하순, 95g, 15.4°Bx



Hayward

헤이워드 1920s (NZD)

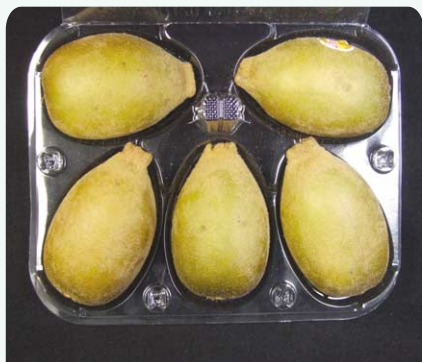
Late maturing, worldwide dominant, green flesh
11월 상순, 90g, 13.4°Bx



Bangwoori

방울이 2006

Mid maturing baby kiwifruit, hairless with edible fruit
without peeling 10월 중순, 21g, 14.5°Bx



Hort16A

제스프리 골드 1999 (NZD)

Mid-late maturing, yellow flesh, smooth short fruit
skin hair 10월 하순, 90g, 15.6°Bx

Kiwi Fruit

| New varieties bred by NISA



Jecy Gold

제시골드 2003

Mid-late maturing, yellow with sweet flesh
10월 하순-11월 상순, 128g, 14.8°Bx



Jecy Green

제시그린 2003

Late maturing, pubescence, green and juicy flesh
11월 상순, 107g, 13.5°Bx



Jecy Sweet

제시스위트 2004

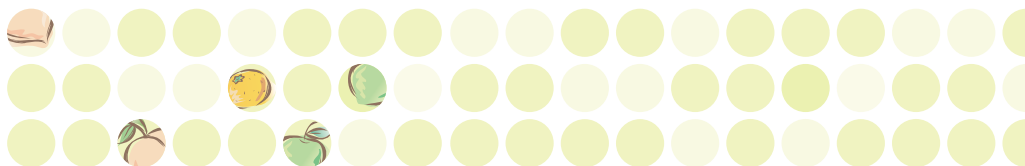
Vary late maturing, sweet with high sugar content
11월 중순, 98g, 17.8°Bx



Green King

그린킹 2005

Mid-late maturing, smooth hairless skin, sweet, edible
fruit without peeling 10월 중하순, 15.9g, 15.5°Bx



Kiwi Fruit 키위 | New varieties bred by FRES, JARES



Bidan

비단 2002

Mid maturing, high Vit. C and easy peeling
10월 중순, 20-25g, 14-15°Bx



Chiak

치악 2002

Early maturing, sweet, edible fruit without peeling
10월 상순, 10-15g, 16-18°Bx



Mandae

만대 2003

Late maturing, fruit with stiff strong hair, long storage life
11월 상순, 90~100g, 13-14°Bx



Haeguem

해금 2007

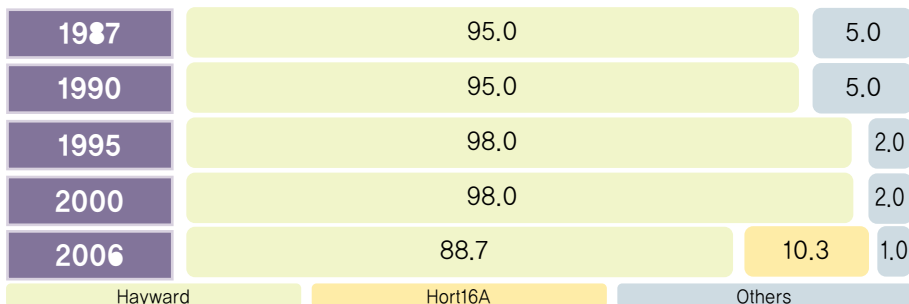
Mid-late maturing, yellow flesh color, fruit has no beak
10월 하순, 80-100g, 13-15°Bx

Kiwi Fruit

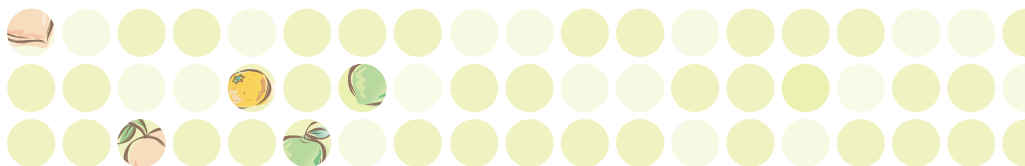
■ Major characteristics of new kiwifruit cultivars bred and released by NHRI and NISA RDA, and FRES, JARES

Variety	Year released	Parentage	Harvest (DAF) ^a	Flesh color	Flesh shape	Cold storage (months)
Po-ok 보옥	1995	Hayward × Tara vine	150	Dark Green	Cylindrical	5
Pohwa 보화	1996	Hayward × Tara vine	Male	-	-	-
Bidan 비단	2002	Skks20 × Skks10	130	Dark green	Cylindrical	4-5
Chiak 치악	2002	HK2-1 OP	140	Green	Ovoid	1-2
Jecy Gold 제시골드	2003	Golden Yellow × Songoku	178	Deep Yellow	Obovoid	-
Jecy Green 제시그린	2003	Apple × Tomuri	188	Green	Ellipsoid	-
Mandae 만대	2003	Hayward OP	160	Green	Oblong	5-6
Jecy Sweet 제시스위트	2004	Apple × Tomuri	175	Green	Oblong	-
Green King 그린킹	2005	<i>A. chinensis</i> cv. Apple Sensation × <i>A. arguta</i>	168	Green	Oblong	-
Haejo 해조	2005	Skk22 × Skk23	Male	-	-	-
Bangwoori 방울이	2006	Tara vine × Tomuri	146	Green	Ellipsoid	3
Haegum 해금	2006	Jinfeng × Skk2	165	Yellow	Spheroid	3-4
Hayward 헤이워드	1920s (NZD)	Selection of Chinese domestic seedlings	162	Green	Ellipsoid	6
Hort16A 제스프리 골드	1999 (NZD)	Crossing between Chinese domestic seedlings	-	Yellow	Ellipsoid	3

^aDays after full bloom



※ Changes of growing area share of kiwifruit varieties



Japanese Plum 자두

| New varieties bred by Korea

| Leading varieties in Korea



Purple Queen

퍼플퀸 2001

Early maturing, high quality, resistant to black spot
7월 중순, 80g, 12.8°Bx



Oishiwase

대석조생 1952 (Japan)

Very early maturing, low acid
7월 상순, 80g, 10°Bx



Honey Red

하니레드 2002

Very early maturing, attractive and sweet
7월 상순, 60g, 13.5°Bx



Formosa

포모사 1907 (USA)

Early maturing, large size, susceptible to black spot
7월 중순, 150g, 9.5°Bx

Apricot 살구

| New variety bred by Korea

| Leading variety in Korea



Choha

초하 1997

Very early maturing, attractive and sweet

6월 중하순, 60g, 13.5"Bx



Harcot

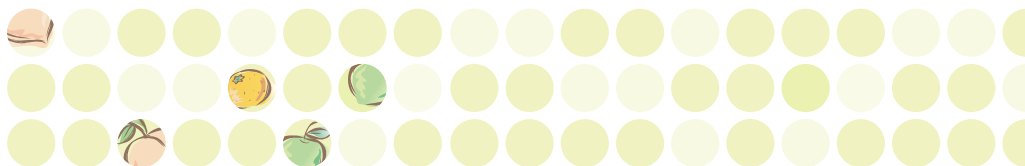
하코트 1977 (Canada)

Late maturing, good quality

7월 상순, 80g, 12"Bx

■ Major characteristics of new plum and apricot varieties bred and released by NHRI ,RDA.

Variety	Year released	Parentage	Harvest (DAF)	Skin color	Flesh color
Choha 초하	1997	Early Orange × NY472	85	Cream to yellow	Orange
Harcot 하코트	1977 (Canada)	⟨(Geneva x Narmata) × M604⟩ × NJA NO.1	97	Cream to yellow	Orange
Purple Queen 퍼플퀸	2001	Soldam OP	103	Purple to red	Yellow
Honey Red 하니레드	2003	Oishiwase × SantaRosa	83	Red	Yellow
Oishiwase 대석조생	1952 (Japan)	Formosa OP	80	Red	Yellow
Fomosa 포모사	1907 (USA)	P. Salicina OP	88	Yellow - green	Yellow - green



Chinese Date 대추

| New varieties released by NHRI



Moodeung

무등 1980

Late maturing, high quality and attractive appearance 10월 상순, 10.3g, 29.7°Bx



Geumsung

금성 1980

Late maturing, high quality 10월 상순, 9.3g, 28.5°Bx



Wolchul

월출 1987

Late maturing, high quality 10월 상순, 10.1g, 29.8°Bx



Chuseok

추석 1995

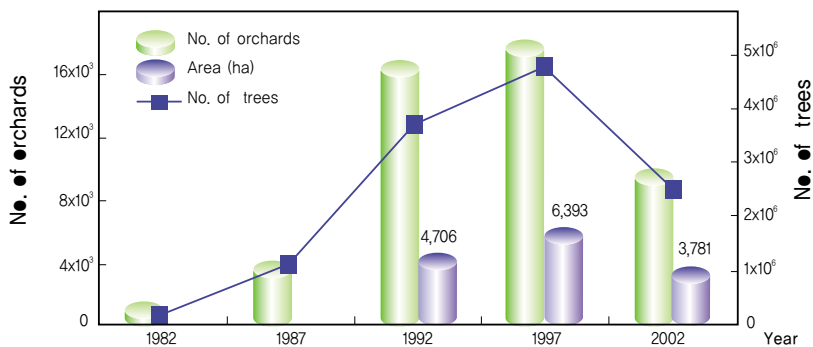
Mid-late maturing, high sugar 9월 하순, 9.1g, 30.4°Bx

Chinese Date

■Major characteristics of new Chinese date varieties released by NHRI, RDA.

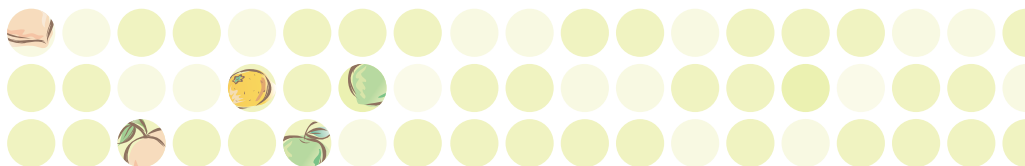
Variety	Year released	Parentage	Harvest (DAF) ^a	Fruit shape	Skin color	Flowering time
Mudeung 무등	1980	Selection of domestic variety	110	Elliptical	Dark red	PM ^b
Guemsung 금성	1980	Selection of domestic variety	105	Elliptical	Dark red	PM
Wolchul 월출	1987	Selection of domestic variety	105	Elliptical	Red	PM
Chuseok 추석	1995	Selection of domestic variety	80	Elliptical	Red	-

^aDays after full bloom, ^bPost meridiem



※Changes in the number of orchards, growing area and number of Japanese apricot trees in Korea.





Japanese Apricot 매실

| New varieties bred by NHRI

| Leading variety in Korea



Okjoo

옥주 2006

Mid-late maturing, high quality, resistant to black spot 6월 상순, 19g, 7.7°Bx



Nanko

남고 1965 (Japan)

Mid-late maturing, major cultivar in Korea 6월 중순, 15.5g, 7.4°Bx



Dana

단아 2006

Mid maturing, high quality and attractive appearance, resistant to black spot 6월 중순, 18g, 7.6°Bx



Okboseok

옥보석 2006

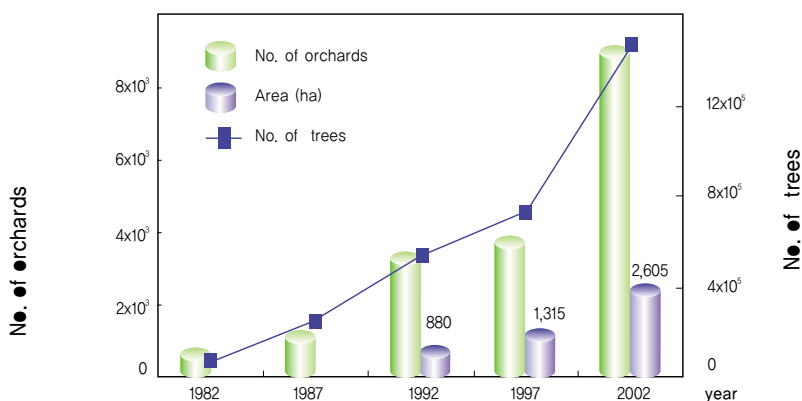
Mid-late maturing, high quality, resistant to black spot 6월 상순, 14g, 7.9°Bx

Japanese Apricot

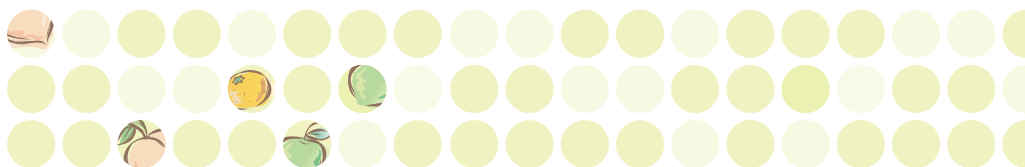
■ Major characteristics of new Japanese apricot bred by NHRI, RDA

Variety	Year released	Parentage	Harvest (DAF) [†]	Fruit shape	Skin color	Acidity (%)
Okjoo 옥주	2006	Gyokuei × Rinsyu	60	Round	Green	4.8
Okboseok 옥보석	2006	Nanko × Yosei bai	60	Round	Light green	4.8
Dana 단아	2006	Gyokuei × kinsinoseki	65	Round	Light green	5.2
Nanko 남고	1965 (Japan)	Chance seedling	67	Round	Light green	5.3

[†]Days after full bloom



※ Changes in the number of orchards, growing area and number of Japanese apricot trees in Korea.



Yuzu 유자

| New varieties released by NHRI



Dajung

다정 1994

Late maturing, large size with thick peel
11월 상순, 150g, 9.0"Bx



Namchul

남출 1994

Late maturing, large size with thick peel
11월 상순, 160g, 8.7"Bx



Wonhyang

원향 1994

Late maturing, large size with thick peel
11월 상순, 164g, 9.2"Bx

■ Major characteristics of new yuzu varieties bred and released by NHRI, RDA.

Variety released	Year	Parentage time	Pick
Dajung 다정	1994	Selection of domestic variety	Early Nov.
Namchul 남출	1994	Selection of domestic variety	Early Nov.
Wonhyang 원향	1994	Selection of domestic variety	Early Nov.
Variety color	Skin rate[%]	Peel wt(g)	Fruit
Dajung 다정	Orange	50.1	150
Namchul 남출	Yellowish orange	53.0	160
Wonhyang 원향	Yellowish orange	48.0	165

Yuzu & Loquat

Loquat 비파

| New variety bred by FRES, JARES

| Leading variety in Korea



Mihwang

미황 2002

Mid-maturing, bright yellow color, juicy and sweet
6월 하순, 32-40g, 12-13°Bx



Mogi

무목 1930s (Japan)

Mid-maturing, yellow color, sweet
6월 하순, 30g, 12°Bx

■ Major characteristics of new loquat varieties bred and released by FRES, JARES.

Variety	Year released	Parentage	Harvest (DAF) ²	Fruit shape	Skin color	Cold storage life(days)
Mihwang 미황	2002 seedling	Chance	160-180	Yellow	Obovoid	15-20
Mogi 무목	1830s (Japan)	Chance seedling	160-180	Bright redish yellow	Ovate	20-30

²Days after full bloom



National Horticultural Research Institute (NHRI)
 475 Imok-dong, Jangan-gu, Suwon-si, Kyeonggi-do
 440-310, Korea www.nhri.go.kr



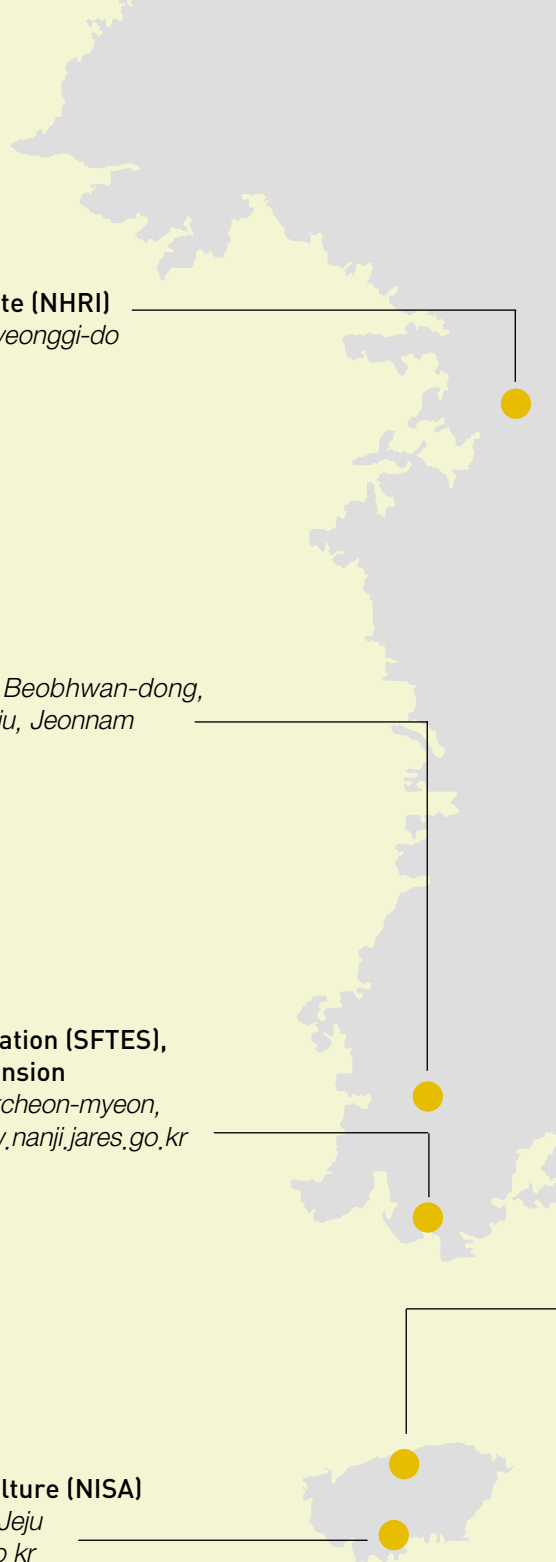
Pear Experimental Station (PES) 731 Beobhwan-dong,
 1034 Godong-ri, Geumcheon-myeon, Naju, Jeonnam
 520-820 www.nhri.go.kr



**Subtropical Fruit Tree Experimental Station (SFTES),
 Jeonnam Agricultural Research & Extension
 Services (JARES)** 300-1 Youngsin-ri, Okcheon-myeon,
 Haenam-gun, Jeonnam, 536-824 www.nanji.jares.go.kr



**Citrus Experimental Station (CES),
 National Institute of Subtropical Agriculture (NISA)**
 1318 Harae-ri, Namwon-eup, Seogwipo, Jeju
 697-943, Korea www.nisa.go.kr





Apple Experimental Station (AES)

286 Wisung-ri, Sobo-myeon, Gunwi, Gyeongbuk
716-810, Korea www.nhri.go.kr



Gyeongsangbukdo Agricultural Research & Extension Service (GBA)

189 Donho-dong, Buk-gu, Daegu,
702-708, Korea www.gba.go.kr



Namhae Sub-Station

777 Dajeong-ri, Idong-myeon, Namhae-gun, Gyeongnam,
668-810, www.nhri.go.kr



Jeju Agricultural Research & Extension Services (JARES)

731 Beobhwan-dong, Jeju-si,
Jeju-do, 697-806, Korea www.agri.jeju.kr