

Clones of *Malus*, *Pyrus*, and *Prunus* Subject to Removal from the Virus-free, Clonal Collection Maintained by Interregional Project-2 (IR-2)

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Interregional Project-2 (IR-2) is an interregionally-funded program that assembles, maintains, and distributes virus-free clones of *Malus*, *Pyrus*, and *Prunus*. Unlike germplasm collections which are designed for long-term preservation of diverse germplasm regardless of its commercial potential, the virus-free clones assembled by IR-2 are designed to be a working collection of cultivars of current or potential use to the commercial fruit industry. Propagation wood from the IR-2 working collection is distributed to scientists worldwide and to industry personnel throughout the United States.

Since the first introduction in 1956, the IR-2 project has assembled over 1200 virus-free clones which are now maintained under screenhouse (1 plant/clone) and field (1 plant/clone) conditions (for *Pyrus* both plants are maintained under screen). As with many service projects in recent years, operations funds for IR-2 have not kept pace with rising maintenance costs. Consequently, we recently began a three-step process to evaluate the need to maintain a large clonal inventory of possibly redundant items.

The first step in this process was to determine the number of requests received for each clone since it was first introduced. Not surprisingly, we found that some clones had not been requested at all or had been requested very rarely over a period of several years.

Secondly, we asked a panel of 26 individuals from throughout the U.S. to rate the 1200+ clones into two categories: keep or remove. The panel

members represented many facets of fruit science as well as the nursery and fruit production industries.

As a third and final step in evaluating the future of clones for which steps one and two indicated little or no interest, the lists from steps one and two were amalgamated and are presented here (Table 1 for *Malus* clones, Table 2 for *Pyrus* and Table 3 for *Prunus*). The purpose of these tables is to provide an opportunity for general public input into the evaluation process. Any individual who finds specific clones listed here that may be of commercial or scientific interest to a section of the fruit industry in the future is invited to contact the authors by phone at (509) 786-2226. It should be noted that each table may contain several clones of a single cultivar, many with specific identification numbers. As far as we can determine from IR-2 records, these redundant clones have no known advantage or disadvantage over other clones that we intend to retain in the working collection. Specific clones to be retained are not included in this report.

Finally, if we receive no specific justification to keep a specific clone by September 30, 1989, we will recommend at the IR-2 annual meeting in October that clones listed in Tables 1, 2, and 3 be removed from the IR-2 working collection. Clones approved for removal by the committee will be offered to the appropriate national germplasm repository for potential use as germplasm source. Clones not accepted by the repository will be destroyed during the 1989-90 winter.

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Table 1. *Malus* clones to be removed from the IR-2 working collection.

Kind	Variety	Clone	IR No. ¹
APL	Blaxstayman		170°
APL	Crandall	PC201	003
APL	Crandall	PC640	002
APL	Delawine	PC227	008
APL	Delawine	PC228	009
APL	Delcon	PC153	004
APL	Delicious	PC156	005
APL	Delicious	Starking PC630	007°
APL	Erickson	PC230	010
APL	Glockenapfel	PI134808	295
APL	Jubilee		091
APL	July Red		205°
APL	Kingjon		182
APL	Lord Lambourne		140°
APL	McIntosh		082°
APL	McIntosh	Summerland Red	079°
APL	Monroe	PC246	022
APL	Moore Red		045
APL	Pennstayman	Mohr	238°
APL	Red Delicious	Ryan Red	288°
APL	Redwell		097
APL	Ruby	PC167	024
APL	Smoothgold		240
APL	Smoothgold	Select Yel. Del.	244
APL	Stahls Prinz	PI325529	294
APL	Stayman	PSU #1	248°
APL	Stayman	Red201	247°
APL	Sturmer Clarke	Q20006	234
APL	Wellington	PC178	030
APL	Yellow Delicious		186°
APL	York	Kane #1	249°
APL	York	PA-KY2	149°
APLINT	Anaros		292
APLINT	Antonovka Ottawa		280
APLINT	Antonovka Shafran		193
APLINT	Antonovka Zheltaia		195
APLINT	Bellefleur Kitaika		157
APLINT	Dudley		156
APLINT	Hibernal	A	164°
APLINT	Hibernal	IRA162	223°
APLINT	Hyslop Crab #21		092°
APLINT	Lennoxville		153
APLINT	N. Queen x C. Pippen		159
APLINT	Osman		154
APLRST	EMII		168°
APLRST	MM102		039

Table 1. (Continued).

Kind	Variety	Clone	IR No. ¹
APLRST	MM109		224°
APLRST	MM111		042°
APLRST	M. Rosusta #5		088°
APLRST	Ottawa #1		106
APLRST	Ottawa #11		111
APLRST	Ottawa #12		112
APLRST	Ottawa #271		066
APLRST	Ottawa #292		067
APLRST	Ottawa #5		108
APLRST	Ottawa #524	WP5757 #3	104°
APLRST	Ottawa #7		109
APLRST	Ottawa #8		110
APLRST	PII Antonovka x EMIX	PI316496	277°

¹IR-2 Project identification number. Asterisks indicate that other clones of this variety are in the IR-2 working collection and are not being considered for removal at this time.

Table 2. *Pyrus* clones to be removed from the IR-2 working collection.

Kind	Variety	Clone	IR No. ¹
PEAR	Bartlett	511	043°
PEAR	Bartlett	537	045°
PEAR	Bartlett	556	024°
PEAR	Bartlett	M203	023°
PEAR	Bartlett	M205	044°
PEAR	Belle De Poitvine		076
PEAR	Beurre D'Anjou		074°
PEAR	Beurre D'Anjou		079°
PEAR	Dana Hovey		140
PEAR	Doyenne Du Comice		046°
PEAR	Doyenne Du Comice	English-PL29	040°
PEAR	Doyenne Du Comice	English-PL34	066°
PEAR	Doyenne Du Comice	OR-PL25	063°
PEAR	Doyenne D'Hiver		008
PEAR	Eller Bartlett		047
PEAR	Fame		153
PEAR	Glou Morceau		114
PEAR	Golden Spice		143
PEAR	Helmerhus Roda		105
PEAR	Lajre	PI295092	089
PEAR	Lincoln		147°
PEAR	Madam Andre Leroy		130
PEAR	Maxine		126°
PEAR	Missouri #83	41	027
PEAR	Pound	231	033
PEAR	Tyson		154
PEAR	Vicar of Winkfield		071
PEAR	Waite	30	037
PEARPP	Barland		118
PEARPP	Barnett		119
PEARPP	Blackney Red		120
PEARPP	Brandy		121

Table 2. (Continued).

Kind	Variety	Clone	IR No. ¹
PEARPP	Butt		122
PEARPP	Gin		123
PEARPP	Hendre Huffcap		124
PEARPP	Red		127
PEARPP	Taynton Squash		128
PEARPP	Yellow Huffcap		129
PEARSP	French Type	Seedling	062
PEARSP	Pyronia Veitchii	7481	083*
PEARSP	Pyronia Veitchii	7485	084*
PEARSP	P. Amygdafolia	OR-WB1	112
PEARSP	P. Calleryana	PC6	135*
PEARSP	P. Calleryana	PC7	136*
PEARSP	P. Caucasicca #6		106
PEARSP	P. Communis	OR839	107*
PEARSP	P. Dimorphophylla	OR408	108
PEARSP	P. Elaeagrifolia #8		096
PEARSP	P. Gharbiana #1		094
PEARSP	P. Hondoensis #1		093
PEARSP	P. Longipes #1		099
PEARSP	P. Nivalis #2		098
PEARSP	P. Pyraister #9		092
PEARSP	P. Salicifolia #1		097
PEARSP	P. Spincarpa		170

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Table 3. *Prunus* clones to be removed from the IR-2 working collection.

Kind	Variety	Clone	IR No. ¹
COT	Castleton	M1125	0654
MAH		C80	0759*
MAH		D17	0758*
MAH		MAH13	0475*
MAH		NY-K10	0141*
MAH		WASH903	0154*
MAH		WASH907	0156*
MAH		WASH909	0296*
MAH		WASH911	0159*
MAH		WASH913	0298*
MAH		WASH915	0162*
MAH		WASH918	0163*
MAH		WASH919	0299*
MAH		WASH920	0300*
MAH	Glen Dale #1	PII93701	0301*
MAZ		McGill #4	0354*
MAZ		Morrison	0279*
MAZ		NY12	0045*
MAZ		NY39	0143*
MAZ		NY50	0146*
MAZ		NY53	0147*

Table 3. (Continued).

Kind	Variety	Clone	IR No. ¹
MAZ		NY54	0046°
MAZ		NY56	0148°
MAZ		NY58	0149°
MAZ	059-2-8	R3	1098°
MYRO		1005	0370°
MYRO		105	0366°
MYRO		109	0291°
MYRO		1165	0371°
MYRO		1201	0372°
MYRO		1236	0374°
NECT	Morton	M832	0607
PCH	Afterglow	M37	0380
PCH	Carman		1055
PCH	Carolyn		0127
PCH	Clayton	F4DR10T1	1011°
PCH	Collins	M953	0445
PCH	Cortez		0030
PCH	Dixigem	M48	0377
PCH	Early Muir		0346
PCH	Eclipse		0766
PCH	Eclipse		0835
PCH	Elberta	Queen	0565°
PCH	Fireglow	M36	0384
PCH	Fortuna		0029
PCH	Frank	M1038SH-R53T6	0504
PCH	Gaume		0129
PCH	Glohaven	M1151	0655°
PCH	Golden Heath	HT01	0914
PCH	Golden Jubilee	MTA #19	0513°
PCH	Golden Karenette	MTA #4	0517
PCH	Gomes		0128
PCH	Hiland	M958	0416
PCH	Hiley Belle	Sesson	0564
PCH	Johnson		0130
PCH	Kalhaven	4-16	0713
PCH	Kalhaven	4-17	0714
PCH	Kalhaven	4-18	0715
PCH	Kalhaven	M1157	0648
PCH	Keystone	M605	0381
PCH	La Gem	M1177	0706
PCH	La Premiere		0797
PCH	Late Rose		0679
PCH	Marglow	M1181	0708
PCH	Marigold		0833
PCH	McGuigan	M662	0796
PCH	Muir	DII6	0597
PCH	Prairie Schooner	K40	0853
PCH	Red Elberta	M7	0385
PCH	Rogany Goy	HTR4	1096
PCH	Salway		0678

Table 3. (Continued).

Kind	Variety	Clone	IR No. ¹
PCH	Saturn		1112
PCH	Shippers Late	M368	0733
PCH	Sunhaven	HTN1	0844°
PCH	Sunnyside		0938
PCH	Sunqueen		0780
PCH	Vesper	B25-15	0189
PCH	Why Not	M1231	0746
PLUM	Abundance	WASH-M567	0107°
PLUM	Assiniboine		0288
PLUM	Bonnie	B9-5	0221
PLUM	Bruce	B11-3	0525°
PLUM	Ivanovka		1070
PLUM	Lantz	INTST	0546
PLUM	Yakima		1073°
PLUM	Yellow Egg	30-2-47	1020°
PRMISC	P. Fruitcosa	F11	0586°
PRMISC	P. Fruitcosa	F17	0587°
PRMISC	P. Salicina	12939	0122°
PRMISC	P. Serotina		1101°
SRCHY	Early Richmond	RT2	0239°
SRCHY	Early Richmond	Stark 729	0152°
SRCHY	English Morello	6T71	0338°
SRCHY	English Morello	GT73	0113°
SRCHY	Montearyl		0577
SRCHY	Montmorency	D49-1	0309°
SRCHY	Montmorency	NY-M1	0096°
SRCHY	Montmorency	ST113	0114°
SRCHY	Montmorency	ST122	0339°
SRCHY	Montmorency	ST55	0112°
SRCHY	Montmorency	ST95	0092°
SRCHY	Montmorency	Stark 62	0050°
SRCHY	Richmorency	D1-4	0226
SWCHY	Black Republican	HTMXXXI	0809°
SWCHY	Black Republican	M818T14T15	0676°
SWCHY	Gil Peck	34-1-19	0463
SWCHY	Kootenay Lambert	103-10	1033
SWCHY	Merton Heart	POM25-14	0449
SWCHY	Saylor	OC15	0600°
SWCHY	Schmidt	C18-5	0311°
SWCHY	Seneca	34-1-6	0462°
SWCHY	Sweet September	K32-9-145774	0394°
SWCHY	Vista	HTP1	0959°
SWCHY	Vogue		0942
SWCHY	Windsor	34-2-3	0640°
SWCHY	Windsor	NV12	0909°
SWCHY	Windsor	W9	0635°

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