APPENDIX A


COMMITTEE ON VARIETAL PEDIGREES

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OREGON 11

Pedigree:

![Pedigree Diagram]

OREGON 11 - 'PIXIE HYBRID' - PI 213189 - FARTHEST NORTH - ACC 6070 - WIDE CALYX - IMMUNA PRIOR BETA

Characteristics:

Fruit: Red, 31 g., globe, often parthenocarpic, solid and fleshy with tough skins that sometime crack. Flavor good, with slight sweetness and moderate acidity.

Plants: Compact, commonly 1 m. (3 ft.) across, spreading, prostrate and open. Complex, branching inflorescence, clusters have 4-7 fruit. Fruiting branches large and open.

Maturity: Early (60 days at Corvallis, Oregon); earlier than 'Early subarctic', 'Immuna Prior Beta' and 'Presto Hybrid'. Fruit maturation somewhat more concentrated seasonally than most early varieties.


OHIO 7814

Pedigree:

![Pedigree Diagram]

Ohio 7814 - C 37 - UC98 - C 28 - VF 134 - VF Roma

Characteristics:

Fruit: Red, 2½ oz., plum, u, j. Resistant to radial and concentric fruit cracking, good vine storage.

Plants: Medium sp, adapted to high population direct-seed or transplant culture and machine harvest. Vines become uniformly semi-prostrate at maturity. Resistant F (1).
Machine harvestable processing tomato with early season maturity. Solids, acid, color and vitamin C equal to or better than standards. Suitable for juice, sauce, catsup and whole-pack.


NC50-7 BREEDING LINE

Pedigree:

F₆ sel. of ['Blazer' F₁ x ('Walter' x 'Flora Dade') F₁]

Characteristics:

Fruit: Red, 200g., globe, u, smooth, very glossy, firm, resistant to radial and concentric cracking and epidermal cracking.

Plants: sp, dark green foliage, resistant F(I), Ve.
Breeding line for firmness and crack resistance.

CHEROKEE (NC BC₁ -32)

Pedigree:

F₇ selection [(‘Walter’ x ‘Ace 55VF’)F₂ x ‘Walter’].

Characteristics:

Fruit: Red, 200+g., globe, smooth, firmness adequate, good resistance to radial and concentric cracking.

Plants: sp, foliage less dense and lighter than ‘Flora-Dade’ resistant to F(I, 1-2 genes) and Ve.
Maturity slightly later than ‘Walter’ and ‘Flora-Dade’.

Vine-ripe harvest for local market and shipping.

MOUNTAIN PRIDE (NC7984)

Pedigree:

F₁ (‘Cherokee’ x NC 50-7)

Characteristics:

Fruit: Red, 200+g., globe, u, very glossy, firm, good shelf life, good resistance to all types of fruit cracking.

Plants: sp, good foliage cover; resistant F(I,1-2) and Ve.
Maturity slightly earlier than parents.

Vine-ripe, fresh-market production in disease problem areas.
VEEPICK (V716)

Pedigree:

H1350/3/V641//V641/3/Morden Yellow/Roma VF
V641=Campbell Kc109/genetic line br sp f wt j nt/
Potentate /3 sel 6-02-M6 (Andrus, USDA).

Characteristics:

Fruit: Red, long oval, 91g., u, exterior color pale and
dull but internal color excellent, fairly firm and
resilient. Suitable processing quality.
Plants: sp, prostrate growth habit, good foliage cover
resistant to F(I) and Ve.
Mid-season maturity between Heinz 1706 and Roma VF.
Suitable for paste but not for whole-pack.

VEEBRITE (V686E)

Pedigree:

Campbell 1402 // Coldset/Coldset // Heinz 1350.

Characteristics:

Fruit: Red, heart-shaped to oblate as season progresses,
u, firm, smooth, crack-resistant, good vine storage and
shelf life. Processing qualities good to excellent.
Plants: sp, vigorous somewhat open vines. Resistant to Ve
and metribuzin herbicide.
Maturity between New Yorker and Campbell 28.
Processing except coreless pack.

VEEROMA (V727)

Pedigree:

Roma VF/Chico

Characteristics:

Fruit: Red, pear-shaped, 53g., u, internal color and flavor
superior to Roma VF. Crack resistance, firmness and wall
structure similar to Roma VF.
Plants: sp, upright growth habit, rugose foliage, good foliage cover but not as dense as Roma VF. Resistant to F(I) and Ve. Late maturity.
Used as pear-type whole pack and strained products as processed quality is good to excellent.


VEEMORE (V712)

Pedigree:
Roma VF//Heinz 1350/3/High Crimson/Glamour//Early Baltimore/3/Pritchard

Characteristics:
Fruit: Red, oblate and somewhat lobed, 96g., u, firm, crack-resistant, good vine storage. Acidity, pH and viscosity excellent, color acceptable.
Plants: sp, compact vine, curled leaves (wt), resistant to F(I) and Ve. Susceptible to TMV.
Very early maturity.
Hand pick tomato for juice or ketchup.


31-St-15 BREEDING LINE

Pedigree:

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31-St-15 (F₆) 76-1-60-8 Glamour
            NY55-542 (Munger)

Step 431 (Florida)
CAST MW 479-6-1-BK
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Characteristics:
CONQUEST VFN (33-St-3, STEP 652)

Pedigree:

\[ F_1 \] (31-St-15 x VFN 8)

Characteristics:

Fruit: Red, 6.5oz., globe, u, resistant to radial cracking. Good color, firmness and flavor.
Plants: sp+, moderate foliage density, resistant to F (I), Ve and MI. 
Home and market garden use.


Bellestar (ST-50)

Pedigree:

\[ \text{Bellestar} \rightarrow \text{Libby 7281} \rightarrow \text{Veebrite} \rightarrow \text{Quinte} \rightarrow \text{Trimson} \]

Characteristics: Crimson (og), jointless, 80 g fruit. Mid early with good concentration of ripening. Suitable for hand or machine harvest. Firm fruited with small core and medium stem scar. Compact vine. Suitable for whole pack with either hand or machine harvest. Released 1982.


OHIO CR-6

Pedigree:

\[ \text{'Ohio CR-6'} \rightarrow 1239A \rightarrow 2108-2 \rightarrow F_1 \rightarrow F_4 \rightarrow F_3 \rightarrow F_4 680706-1 \rightarrow \text{'Ohio WR-29'} \rightarrow 'Ohio WR-7' \]

\[ 'Ohio CR-6' \rightarrow 1239A \rightarrow 89-1 \rightarrow F_5 1239A \rightarrow \text{IRB#3} \rightarrow \text{OMF PBMn40-7-1-2-1} \]
Characteristics:

Fruit: Pink, u, large, globe-oblate, crack tolerant.
Plant: sp⁺, vigorous, Ve, I, Tm 2²/Tm 2, Fusarium crown and root rot resistant.
Hybrid greenhouse tomato best suited to fall and late spring crops in the north, maturity similar to 'Ohio M-R 13'.

Michalska, A. M. ALFA-released 1978. Warsaw Agricultural Univ., Warsaw, Poland.

Pedigree:

Characteristics:

sp, u⁺; fruit round, smooth, medium /50 - 80/g, a great tendency to bear very small fruits later in the season and in poor conditions; ripens 45-55 days after planting in the field, 10-15 days earlier than Earlinorth; very good fruit setting, cold setting ability; strong tendency to parthenocarpy, especially at low temperatures; compact habit spread 50-70 cm; strong branching between cotyledons and the first cluster; flower cluster below the sixth leaf. Extra early variety for cool regions.
LINE A-33-129-93

Pedigree: (the same as Alfa)

Characteristics:

sp, u⁺; fruit round, small /20 - 40 g/, smooth or slightly deformed at the top of the fruit; ripens 35-45 days after planting in the field, 10-12 days earlier than Alfa; strong tendency to parthenocarpic fruit setting, especially at low temperatures; very weak growth, spread 25-40 cm, poor branching; first cluster below the fifth leaf.

LINE A-33-129-91

Pedigree: sister selection of the A-33-129-93 line

Characteristics:

sp, u⁺; fruit round, medium /30 - 60 g/, smooth or slightly deformed at the top of the fruit; ripens 40-50 days after planting in the field, 4-7 days earlier than Alfa; strong tendency to parthenocarpic setting of fruit, especially at low temperatures; compact habit spread 40-60 cm; strong branching between cotyledons and the first cluster; flower cluster below the sixth leaf.