



LE

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9



APPLE. Minn. No. 1000

Location 7-29-49

Characters	19 <u>30</u>	19 <u>42</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	8/20/30	9/2/42			
Size	2 1/4 x 2	3 x 2 1/2			
Shape	Roundish-oblate	✓			
Color	Green 3/4 red stripe	✓			
Stem	med. length - med thick	long med thick			
Cavity	med deep - wide	shallow, wide			
Basin	Shallow - wide	✓ sl. furrowed & russeted			
Calyx	Open - wide funnel	closed, short funnel			
Flesh color	Lt. yellow	✓			
Flesh texture	Tough - coarse	✓ juicy crisp			
Skin	Tough - Thick	✓			
Flavor	sub-acid	✓ - near sweet			
Quality	not ripe 3X	3X			
Type of	Healthy.	✓			
Rating	3X	3X and poor appearance of thick skin			

Dec. 3/13/45 tree record
 Very poor tree record

APPLE. Minn. No. 1001 Location _____

51

Characters	19 <u>1927-8</u>	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Mid to late winter				
Picking date	—				
Size	Med. 2 1/2 x 3				
Shape	Roundish oblate.				
Color	Solid bluish or splashed red				
Stem	Med.				
Cavity	Med. + shallow				
Basin	Wide + deep.				
Calyx	Closed - widely concave.				
Flesh color	light creamy white				
Flesh texture	tender, crisp				
Skin	Tough.				
Flavor	Sprightly sub acid.				
Quality					
Type of					
Rating					

APPLE. Minn. No. 1006

Location _____

52

Characters	19 <u>27-28</u>	19 <u>29</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	mid winter	described Jan. 7, '30			
Picking date					
Size	2 3/4 x 2 7/8	3"			
Shape	Round Conic	Round. conic			
Color	Red bluish & stippled yellow	Dark red - striped			
Stem	Very short	Very short			
Cavity	Med Broad, shallow	med - med deep			
Basin	shallow, med wide	shallow - med wide			
Calyx	closed, broad shallow	ditto			
Flesh color	cream, greenish	"			
Flesh texture	coarse	"			
Skin	medium	"			
Flavor	subacid, mild	"			
Quality	poor	Good 3X			
Type of					
Rating		3X			

Dis 3/13/45
stem cracks

S92110

UNIVERSITY OF MINNESOTA

TELEPHONE CALL FOR _____

FROM Gary Iklon _____

DEPT. _____

PHONE 291-1222 _____

DATE _____ TIME _____

MESSAGE call at 9:30 _____

222-7000 _____

Arthur Hein _____

RETURN CALL _____ WILL CALL BACK _____

NAME OF ONE TAKING CALL _____

O Bales

2-18-33 plums

4/22-33 grapes

3/6/34 apples & plums

4/28/35 plums

3/19/36 apple 10/4

79 } 992
37 } 1007
 } 700
 } 638

APPLE. Minn. No. 1007 (PRAIRIE ¹⁹³⁹ SPY) Location _____

53

Characters	19 <u>27-28</u>	19 <u>29</u>	19 _____	19 _____	19 _____
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>1927-8 Late winter</u>	<u>Described 1/8/30</u>			
Picking date					
Size	<u>Med to Large. 2 3/4 x 3 1/8</u>	<u>3"</u>			
Shape	<u>Round Conic.</u>	<u>Slitto</u>			
Color	<u>Completely striped red over yellow. Carmines red.</u>	<u>Red striped over yellow</u>			
Stem	<u>Short</u>	<u>Slitto</u>			
Cavity	<u>Wide - med deep</u>	<u>"</u>			
Basin	<u>Med wide - med deep.</u>	<u>"</u>			
Calyx	<u>Closed - wide conic tube</u>	<u>"</u>			
Flesh color	<u>White - cream tinge.</u>	<u>"</u>			
Flesh texture	<u>crisp - coarse - tender</u>	<u>Coarse - med.</u>			
Skin	<u>tough</u>	<u>Slitto</u>			
Flavor	<u>sprightly - sub acid.</u>	<u>"</u>			
Quality	<u>5-X</u>	<u>3 X</u>			
Type of	<u>Individual</u>				
Rating	<u>5-X</u>	<u>3 X</u>			

APPLE.

Minn. No.

1008

Location

54

Characters	19—	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	1927-8 Late Winter				
Picking date					
Size	Med				
Shape	Oblong conic.				
Color	Bright red over yel.				
Stem	Med.				
Cavity	Wide - deep.				
Basin	Med - med - closed				
Calyx	open - wide conic tube				
Flesh color	Cream -				
Flesh texture	Coarse - tough				
Skin	Med.				
Flavor	Sub-acid				
Quality	2x				
Type of					
Rating	2x				

APPLE. Minn. No. 1010

Location _____

55

Characters	19 <u>27-28</u>	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<i>Mid. Winter</i>				
Picking date					
Size	<i>3 x 3 3/8</i>				
Shape	<i>Round, oblate, conic</i>				
Color	<i>Yellow, red striping,</i>				
Stem	<i>Short,</i>				
Cavity	<i>Med deep, med wid,</i>				
Basin	<i>Med deep, narrow,</i>				
Calyx	<i>Partly Open</i>				
Flesh color	<i>Pale, Greeny Cream</i>				
Flesh texture	<i>Coarse,</i>				
Skin	<i>Med,</i>				
Flavor	<i>Mild Subacid</i>				
Quality					
Type of					
Rating	<i>Storage dis. 1929</i> <i>" " 1930</i>				

APPLE.

Minn. No.

1011

Location

21-22-9

56

Characters	19 ²⁷⁻²⁸	19	19	19	19
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Late Winter				
Picking date					
Size	Medium				
Shape	Round Truncate ^{2 5/8 x 2 5/8}				
Color	Bluish Red over yellow				
Stem	Short				
Cavity	Med Wide - Deep				
Basin	Med Wide - Deep				
Calyx	Open - Wide Conic				
Flesh color	Cream Tinged				
Flesh texture	Tough Coarse				
Skin	Med.				
Flavor	Sweet				
Quality	Good ++++				
Type of					
Rating	+++++				

APPLE.

Minn. No.

1014

Location

57

Characters	19—	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	19278 Mid winter				
Picking date					
Size	Med - to large.				
Shape	Roundish - oblong.				
Color	Bluish red over yellow.				
Stem	Med to Long				
Cavity	Med wide - med deep				
Basin	" " - " "				
Calyx	closed - conic				
Flesh color	white - cream tinge				
Flesh texture	coarse				
Skin	tough				
Flavor	sub acid mild high				
Quality	57				
Type of					
Rating	4+x				

APPLE. Minn. No. 1016 Location _____

58

Characters	19 ²⁸ (Mar)	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	late winter				
Picking date					
Size	med. 2 1/2 - 2 3/8				
Shape	Roundedish				
Color	Striped red over yel.				
Stem	Med. to long				
Cavity	shallow, flaring				
Basin	shallow				
Calyx	closed, conic tube,				
Flesh color	white				
Flesh texture	fine gr. tender.				
Skin	Med thick, med tough				
Flavor	Sub sweet,				
Quality	good.				
Type of					
Rating					

APPLE.

Minn. No.

1018

Location

59

Characters	19 <u>1927-8</u>	19 <u>29</u>	19 —	19 —	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<i>Mid winter</i>	<i>Dec 17 Jan 7 '30</i>			
Picking date					
Size	<i>Med to Large, 3 x 2 7/8</i>	<i>2 1/2"</i>			
Shape	<i>Conic.</i>	<i>Round-conic</i>			
Color	<i>Dark red bluish over lt. yel.</i>	<i>Solid-med to dk red</i>			
Stem	<i>Short</i>	<i>med to short</i>			
Cavity	<i>Narrow shallow.</i>	<i>ditto</i>			
Basin	<i>" shallow</i>	<i>"</i>			
Calyx	<i>Closed-conic.</i>	<i>"</i>			
Flesh color	<i>Creamy white.</i>	<i>Yellow</i>			
Flesh texture	<i>Slight fluffy-tender.</i>	<i>ditto</i>			
Skin	<i>Med-thick.</i>	<i>"</i>			
Flavor	<i>Sprightly sweet acid.</i>	<i>"</i>			
Quality	<i>Mar 17. Good very good.</i>	<i>Very good 4x</i>			
Type of					
Rating		<i>5x</i>			

Discard
12/18/41

APPLE. Minn. No. 1019 Location _____

60

Characters	19 <u>28</u> (Mar)	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Late winter.				
Picking date					
Size	Large $2\frac{3}{8} \times 3\frac{1}{8}$				
Shape	roundish oblate				
Color	good red striped				
Stem	med to short				
Cavity	med deep flaring				
Basin	wide, med deep				
Calyx	closed - funnel (wide)				
Flesh color	creamy white				
Flesh texture	coarse, med tender				
Skin	med thick - Tough				
Flavor	subacid - aromatic.				
Quality	good - has character				
Type of					
Rating					

Dec 3/13/45

APPLE. Minn. No. 1020 Location BLOCK 20-6-5,6,7,8,9

61

Characters	19 <u>28</u> Mar	19 —	19 —	19 —	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>V. late winter</u>				
Picking date					
Size	<u>V. large 2 7/8 x 3 1/2</u>				
Shape	<u>roundish, sl. oblate</u>				
Color	<u>br. red over rich yel</u>				
Stem	<u>short</u>				
Cavity	<u>V. large, deep,</u>				
Basin	<u>V. large, deep, abrupt,</u>				
Calyx	<u>open, long funnel</u>				
Flesh color	<u>white or sl. cream</u>				
Flesh texture	<u>coarse, tough</u>				
Skin	<u>tough</u>				
Flavor	<u>high acid,</u>				
Quality	<u>med. good, acid</u>				
Type of					
Rating	<u>promising for med. appearance quality not too bad,</u>				

Handwritten notes:
 Dec 3/13/45
 Dec 4/13/45

APPLE. Minn. No. 1022 Location 7-1-24

Characters	19 <u>30</u>	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season					
Picking date	8/20/30				
Size	2 1/2 x 2 1/2 - med.				
Shape	Conic				
Color	Green - red stripe				
Stem	Short - med				
Cavity	med - abrupt.				
Basin	med to shallow - narrow				
Calyx	Closed.				
Flesh color					
Flesh texture					
Skin					
Flavor	Not ripe				
Quality					
Type of					
Rating	Dis.				

#1022

APPLE. Minn. No. # 1023 Parentage _____ Location 20-7-5, 6, 8, 9

Characters	Described <u>Sept. 12 1942</u>	Described <u>19 43</u>	Described <u>19 44</u>	Described <u>19</u>
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season				
Picking date	<u>alredy picked (sept. 10)</u>	<u>Sept. 1 43</u>	<u>Sept 21 44</u>	
Size	<u>small</u>	<u>med.-wpt 2 x 2 1/2 ins</u>	<u>wpt 2 3/4</u>	
Shape	<u>round oblate</u>	<u>oblate</u>	<u>✓</u>	
Color	<u>full str. l. red over gr. yellow</u> <small>(speckled or mottled effect)</small>	<u>✓</u>	<u>full red stripe</u>	
Dots, Bloom	<u>med. bloom dots not conspic.</u>	<u>✓</u>	<u>dots diffuse</u>	
Stem	<u>long</u>	<u>short to short</u>	<u>variable</u>	
Cavity	<u>med. deep. med wide reg. Ross + leather crax.</u>	<u>✓</u>	<u>✓</u>	
Basin	<u>narrow shallow regular.</u>	<u>✓</u>	<u>small abrupt</u>	
Calyx and tube	<u>cone. st. basal</u> <small>calyx</small> <u>quite open</u>	<u>very short funnel</u> <u>sepals separate</u>	<u>small abrupt</u> <u>open calyx concealed</u>	
Flesh color	<u>yellow</u>	<u>l. ✓</u>	<u>creamy</u>	
Flesh texture	<u>Juicy. firm.</u>	<u>✓</u>	<u>med juicy</u>	
Skin	<u>tender.</u>	<u>tough</u>		
Flavor	<u>sprightly sub-acid</u>	<u>✓</u>	<u>acid</u>	
Quality	<u>fair</u>	<u>3x</u>	<u>3x</u>	
Rating	<u>2x.</u>	<u>3x</u>	<u>3x</u>	
Remarks			<u>too short. f.</u> <u>season disc</u>	

TW

TW

TW

Dis = 11/13/45

APPLE. Minn. No. 1025 Parentage _____ Location _____

Characters	Described <u>Oct. 26</u> 19 <u>43</u>	Described _____ 19____	Described _____ 19____	Described _____ 19____
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season				
Picking date	<u>oct.</u>			
Size	<u>med. 2 x 2 1/2</u>			
Shape	<u>oblate</u>			
Color	<u>3/4 red stripe over green</u>			
Dots, Bloom	<u>num white, med bloom</u>			
Stem	<u>short-oblique</u>			
Cavity	<u>wide, obtuse med shallow</u>			
Basin	<u>shallow wide-med.</u>			
Calyx and tube	<u>closed.</u>			
Flesh color				
Flesh texture	<u>see strange record.</u>			
Skin				
Flavor				
Quality				
Rating				
Remarks				

APPLE. Minn. No. 1027

Location Original tree 7-15-25

Characters	1929	1942	19—	19—	19—
Tree Vigor		20-4-5, 6, 7, 8, 9 Vigorous			
Form		round topped spread			
Productivity		good.			
Disease		no blight recorded. only light scale & cedar rust.			
Hardiness		apparently very hardy.			
Fruit Season	described Jan. 7, '30	fall + early winter			
Picking date		9/10/42			
Size	2"	2 5/8" - largest = 3"			
Shape	Round - slightly conic	Roundish, flattened at ends.			
Color	Solid red - dk on one side	Solid dark red.			
Stem	Med.	✓			
Cavity	deep - med wide	✓			
Basin	med deep - med wide	deep, abrupt funnel			
Calyx	closed - funnel	closed, like narrow funnel			
Flesh color	White - red stain	core also open to open. nearly white - stained with red.			
Flesh texture	med - coarse	med. coarse, firm med juicy			
Skin	Tough	med tough			
Flavor	mild - sub-acid	mild acid.			
Quality	Fair 2X	good - 4X			
Type of	Jonathan	✓			
Rating	3X	4X to 5X			

So similar to minjon it is impossible to tell the fruit apart.

APPLE. Minn. No. 1028 Location _____

Characters	19 <u>29</u>	19 —	19 —	19 —	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Described 7/8/30</u>				
Picking date					
Size	<u>3"</u>				
Shape	<u>Round</u>				
Color	<u>Lt. Red 1/2</u>				
Stem	<u>med.</u>				
Cavity	<u>Wide - deep</u>				
Basin	<u>med - med</u>				
Calyx	<u>closed - deep funnel</u>				
Flesh color	<u>White</u>				
Flesh texture	<u>med - med</u>				
Skin	<u>Tough</u>				
Flavor	<u>~ sweet</u>				
Quality	<u>Good 3x</u>				
Type of					
Rating	<u>3x</u>				

APPLE. Minn. No. 1029 Location 20-9-6,7,8,9

Characters	19 ²⁹	19 ⁵¹	19—	19—	19—
Tree Vigor	<i>orig. location 2-10-49 (1029)</i>				
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Described Jan. 7, '30				
Picking date		Oct. 16 '51			
Size	3 1/2	Very large			
Shape	Round, conc. (top-sided)	irregular roughish truncate			
Color	Solid Dk. red	✓			
Stem	Very short.	✓			
Cavity	deep - narrow	deep - narrow or flaring			
Basin	deep - med wide	✓ abrupt			
Calyx	Open - wide funnel	✓			
Flesh color	Lt. yellow	✓			
Flesh texture	med - coarse	✓			
Skin	Tough	Thick ✓			
Flavor	Sub-acid	✓			
Quality	Good 3X				
Type of					
Rating	4X	4X gen			

APPLE. Minn. No. 1030 Parentage _____ Location 12-12-13, 15

Characters	Described _____ 19 <u>42</u>	Described _____ 19 _____	Described _____ 19 _____	Described _____ 19 _____
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season				
Picking date	<u>Sept. 2, '42</u>			
Size	<u>2 3/4 x 2 1/4</u>			
Shape	<u>round conic with obscure crown points</u>			
Color	<u>dark red full. Some with suture line</u>			
Dots, Bloom	<u>scarf skin. dots w. small num in basin</u>			
Stem	<u>med. short med. thick</u>			
Cavity	<u>deep. v. narrow</u>			
Basin	<u>shallow wide ridged</u>			
Calyx and tube	<u>closed</u>			
Flesh color	<u>gr. white</u>			
Flesh texture	<u>mealy</u>			
Skin	<u>tender</u>			
Flavor	<u>acid</u>			
Quality	<u>med to poor</u>			
Rating	<u>2+</u>			
Remarks	<u>Dis 3/13/45</u>			

APPLE. Minn. No. 1031 Location 20-10-1, 2, 4

Characters	19 <u>29</u>	19 <u>45</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>described Jan 7, '30</u>	<u>Sept 20 45</u>			
Picking date					
Size	<u>2 1/2</u>	<u>3 1/4 x 2 3/4</u>			
Shape	<u>Oblate</u>	<u>round-oblate-</u> <u>sh angular</u>			
Color	<u>Solid red striped</u>	<u>med bloom</u>			
Stem	<u>med to long</u>	<u>short</u>			
Cavity	<u>Wide - med deep</u>	<u>flaring</u>			
Basin	<u>Shallow - wide</u>	<u>narrow</u>			
Calyx	<u>Open - funnel shaped</u>	<u>funnel</u>			
Flesh color	<u>Light yellow</u>	<u>med white</u>			
Flesh texture	<u>med. med grain</u>	<u>med tough</u>			
Skin	<u>med.</u>	<u>tender</u>			
Flavor	<u>Sweet</u>	<u>sweet-good</u>			
Quality	<u>Good 4x</u>	<u>5x</u>			
Type of					
Rating	<u>5x (for sweet)</u>	<u>5x for sweet</u>			

Duplicate of #1034
 APPLE. Minn. No. 1080 Location HC-2-59 Weathers x Okasha.

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>9/17/33</u>	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓			
Picking date	<u>8/15/30</u>	<u>8/29/32</u>			
Size	<u>Med to small. 2 1/4 x 2 5/8</u>	✓	<u>2 1/4 x 2 1/2</u>		
Shape	<u>Round to Oblate.</u>	✓	<u>Oblate</u>		
Color	<u>Green with small amt of light red</u>	<u>med. red stripe 3/4 over yellow.</u>	✓		
Stem	<u>Very long.</u>	<u>slender</u>	✓		
Cavity	<u>deep flaring</u>	✓	✓		
Basin	<u>deep flaring</u>	<u>Deep-wide-wrinkled</u>	✓		
Calyx	<u>Partly closed, Tube. deep rectangular</u>	<u>closed-funnel</u>	<u>short tube</u>	✓	
Flesh color	<u>sh. white</u>	<u>yellow</u>	✓		
Flesh texture	<u>fine juicy</u>	<u>med.</u>	✓		
Skin	<u>med thick tender</u>	<u>med thick-tough</u>			
Flavor	<u>subacid.</u>	✓	✓		
Quality	<u>Sharp XXX</u>	✓	<u>poor</u>		
Type of	<u>Duchers</u>				
Rating	<u>XX</u>	<u>3X</u>	<u>2X</u>		<u>totally shriveled.</u>

APPLE. Minn. No. 1035 Location 40-27-58 ✓ King David x Sel.

Characters	rg <u>30</u>	rg <u>32</u>	rg <u>33</u>	rg <u>37</u> 9/3	rg —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓	<u>Describ 9/3</u>		
Picking date	<u>8/22/30</u>	<u>8/22/32</u>			
Size	<u>Small 2 1/8 x 1 1/2</u>	<u>2 x 2 1/4</u>	<u>1 3/4 x 2 1/4</u>		
Shape	<u>Oblate</u>	✓	✓		
Color	<u>Green with 1/2 red stripe purple bloom</u>	<u>Bright red 1/2 over yellow</u>	✓	<u>no bloom - waxy</u>	
Stem	<u>Long - med thick</u>	✓	✓		
Cavity	<u>med deep - wide</u>	✓	<u>flaring</u>	✓	
Basin	<u>Shallow - wide</u>	<u>med - wide</u>	✓	✓	
Calyx	<u>Slightly open</u>	<u>Closed - long - tube</u>	✓	✓	
Flesh color	<u>Green</u>	<u>yellow (greenish)</u>	✓		
Flesh texture	<u>Tough - med grain</u>	<u>med - med gr.</u>	✓		
Skin	<u>Thick - tough</u>	✓	✓		
Flavor	<u>acid</u>	✓	✓		
Quality	<u>Fair - xx</u>	✓	<u>poor</u>	<u>Dis</u>	
Type of					
Rating	<u>3x</u>	✓	<u>2x</u>	<u>att: 3x acid. Dis</u>	

APPLE.

Minn. No. 1036

Location

5B-7-49Jon. x Duch

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u>	19 <u>37</u> 924	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓	<u>Dec. 9/13/33</u>		
Picking date	<u>8/11/30</u>	<u>8/22/32</u>			
Size	<u>med. 2 1/4 x 2 1/2</u>	<u>1 3/4 x 2 1/2</u>	<u>1 1/2 x 1 3/4</u>		
Shape	<u>Oblate, slightly conic.</u>	<u>oblate</u>	✓		
Color	<u>Dark red over green</u>	<u>med. red stripe 1/2 over green.</u>	✓		
Stem	<u>S fruit, med. thick.</u>	<u>med.</u>	✓		
Cavity	<u>Deep, med. width.</u>	✓	✓		
Basin	<u>V. Reg. 5 hollow med width.</u>	<u>med.</u>	✓		
Calyx	<u>Small close d. Tube, small lobes.</u>	<u>funnel form.</u>	✓		
Flesh color	<u>Greenish white</u>	<u>yellow tinged with pink</u>	<u>green</u>		
Flesh texture	<u>Med firm, juicy</u>	✓	<u>tough-coarse</u>		
Skin	<u>thick, tough</u>	✓	✓		
Flavor	<u>subacid.</u>	<u>very acid.</u>	✓		
Quality	<u>fair x x</u>	✓	<u>poor</u>	<u>3x</u>	
Type of	<u>weathy</u>				
Rating	<u>x x</u>	<u>x x</u>	✓	<u>att. 3v</u> <u>small</u>	

APPLE.

Minn. No. 1037

Location

5B-8-1 ✓

Jon. x Buck

Characters	19 ³⁰	19 ^{9/7/33}	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Autumn				
Picking date	9/7/30				
Size	med. 2 x 2 1/2	✓			
Shape	Oblate	✓			
Color	blk red solid	blk red stripe 3/4 over yellow			
Stem	med long. med thick	✓			
Cavity	Deep - abrupt.	✓			
Basin	Shallow - wide	✓			
Calyx	small - close. tube narrow	✓			
Flesh color	Lt. yellow	yellow			
Flesh texture	Tough - med grain	✓			
Skin	med thick - med tender	✓	waxy		
Flavor	Sub. acid. fair	✓			
Quality	Fair 2X	✓			
Type of					
Rating	3X	✓			

APPLE. Minn. No. 1039 Location 573-7-76 Jan x Dec

Characters	19 <u>30</u>	19 <u>31</u>	19 <u>32</u>	19 <u>37</u> 9/18	19 <u> </u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Autumn	✓			
Picking date	9/5/30	✓	8/29/32		
Size	med. 2 1/4 x 2 1/2	1 3/4 x 2 1/4	2 1/4 x 2 3/4		
Shape	Oblate to round.	✓	✓		
Color	Sk. red solid.	✓	✓		
Stem	med to long - med thick	Long - med thick	long - thick		
Cavity	Deep - abrupt.	✓	med - flaring		
Basin	Shallow - slightly furrowed	✓	✓ crowned		
Calyx	closed - reflexed - short tube	✓	✓ funnel		
Flesh color	yellow	✓ red tinge near skin	✓		
Flesh texture	med tender - med gr.	✓	✓		
Skin	med thick - tough	✓	✓		
Flavor	subacid - fair	sub - acid - poor	✓		
Quality	Fair 2X	Poor X	2X	3X+	
Type of	Jonathan	✓			
Rating	3X	X discoid	2X	att. 4X	

APPLE. Minn. No. 1040

Location 5 B - 9 - 9

Jon. x Duch.

Characters	ig <u>30</u>	ig <u>32</u>	<u>7/3</u> ig <u>33</u>	ig <u>37</u> <u>9/24</u>	ig <u> </u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>fall</u>				
Picking date	<u>9/1/30</u>	<u>8/29/32</u>			
Size	<u>med. 2 1/4 x 2 3/8</u>	<u>✓</u>	<u>2 x 2 1/4"</u>		
Shape	<u>Rd. conic truncate</u>	<u>Round-conic</u>	<u>oblate</u>		
Color	<u>md. red stripe over yellow</u>	<u>✓</u>	<u>3/4</u>		
Stem	<u>long med thick</u>	<u>✓</u>	<u>1/2 long</u>	<u>✓</u>	
Cavity	<u>deep flaring</u>	<u>✓</u>	<u>med deep flaring</u>		
Basin	<u>med deep. v. abrupt.</u>	<u>✓</u>	<u>shallow-wrinkled</u>		
Calyx	<u>partially open</u>	<u>✓</u>	<u>closed</u>		
Flesh color	<u>yellowish</u>	<u>✓</u>	<u>✓</u>		
Flesh texture	<u>tender, med grain</u>	<u>med-coarse</u>	<u>coarse-tough</u>		
Skin	<u>Med thick, tough</u>	<u>✓</u>	<u>✓</u>		
Flavor	<u>sub acid</u>	<u>✓</u>	<u>✓</u>		
Quality	<u>fair</u>	<u>✓</u>	<u>✓</u>	<u>3x</u>	
Type of	<u>Wealthy</u>				
Rating	<u>xx</u>	<u>2x</u>	<u>✓</u>	<u>att. 4x</u>	

APPLE. Minn. No. 1041 Location 6B-6-4.2 (Duchers x King David)

Characters	19 <u>34</u>	19 <u>9/21/31</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	Fall			
Picking date	ripe 8/11/30				
Size	med to small $2\frac{1}{8} \times 2\frac{3}{8}$	small			
Shape	⊙ blunt	randish conc			
Color	Gr. with dull red	$\frac{1}{2}$ med red over green			
Stem	long, med thick	↓			
Cavity	narrow, deep	med deep narrow			
Basin	narrow, very shallow	↓			
Calyx	partially closed pale	closed, long narrow, <small>conc tall, sharp</small>			
Flesh color	Gr. to white	light yellow			
Flesh texture	Crisp, fine grained	med gr.			
Skin	thin tough	↓			
Flavor	subacid	↓			
Quality	fair to good X X	fair			
Type of					
Rating	X X	X to do cand.			

APPLE. Minn. No. 1042 Location 4C-22-89 Jon. x Ababena

Characters	19 <u>30</u>	19 <u>9/13/33</u>	19 <u>37 9/3</u>	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Autumn</u>				
Picking date	<u>9/9/30</u>				
Size	<u>Small - 1 3/4 x 2 1/4</u>	<u>2 x 2 1/4</u>			
Shape	<u>Oblate</u>	✓			
Color	<u>Sk. red 3/4 over gr.</u>	✓			
Stem	<u>med long - med thick</u>	✓			
Cavity	<u>med deep - flaring</u>	✓			
Basin	<u>Shallow - wide - wrinkled</u>	✓			
Calyx	<u>Closed - tube short - funnel</u>	✓ <u>tube long open</u>			
Flesh color	<u>Lt. yellow</u>	<u>yellow</u>			
Flesh texture	<u>med tough - med gr. med juicy</u>	✓			
Skin	<u>med thick - tough</u>	✓			
Flavor	<u>sub-acid</u>	✓			
Quality	<u>Good 3x</u>	<u>fair</u>	<u>Pineau</u>		
Type of					
Rating	<u>3x</u>	✓	<u>all: - 2x</u>		

Bright but small. Fls

APPLE. Minn. No. 1043

Location 4C-24-77

King David x Duch

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u>	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>9/4/30 - Fall</u>	<u>Summer</u>			
Picking date	<u>9/2/30</u>	<u>8/22/32</u>			
Size	<u>med. 2 x 2 1/2</u>	<u>1 3/4 x 2 1/4</u>	✓		
Shape	<u>oblate</u>	✓	✓		
Color	<u>Green with 3/4 dark stripe</u>	✓	✓		
Stem	<u>med long - med heavy</u>	✓	✓		
Cavity	<u>med. deep - flaring</u>	✓	✓		
Basin	<u>med deep - med wide</u>	✓ wrinkled	✓		
Calyx	<u>Open - Tube narrow funnel closed</u>	✓	✓		
Flesh color	<u>yellow</u>	✓ tinged green	<u>lbs. yellow</u>		
Flesh texture	<u>med tender - med grain</u>	✓ coarse	✓		
Skin	<u>Thick - tough</u>	✓	✓		
Flavor	<u>Sub-acid - pleasant</u>	✓	✓		
Quality	<u>Good 3X</u>	<u>fair</u>	✓		
Type of	—				
Rating	<u>3X</u>	<u>2X</u>	✓		

APPLE. Minn. No. 1044 Parentage Jonathan x ? Location 5B-4-30

Characters	Described <u>9/21 1931</u>	Described <u>1932</u>	Described <u>19</u>	Described <u>19</u>
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season		<u>Summer</u>		
Picking date		<u>8/29/32</u>		
Size	<u>below med. $2\frac{1}{4} \times 2\frac{5}{8}$</u>	<u>2 x $2\frac{1}{2}$</u>		
Shape	<u>9 and conic</u>	<u>✓</u>		
Color	<u>light red atop $\frac{1}{2}$ over yel</u>	<u>Med red $\frac{7}{8}$ over green</u>		
Dots, Bloom	<u>med size green</u>	<u>med. size - light</u>		
Stem	<u>long slender</u>	<u>very</u>		
Cavity	<u>deep wide flaring</u>	<u>deep - abrupt</u>		
Basin	<u>small shallow, furrowed</u>	<u>med deep - abrupt furrowed</u>		
Calyx and tube	<u>closed funnel</u>	<u>closed - wide funnel</u>		
Flesh color	<u>light yel</u>	<u>light yel</u>		
Flesh texture	<u>finer. tender</u>	<u>med</u>		
Skin	<u>tender thin</u>	<u>med.</u>		
Flavor	<u>mild subacid</u>	<u>✓</u>		
Quality	<u>fair XXX</u>	<u>✓</u>		
Rating	<u>XX</u>	<u>✓</u>		
Remarks				

APPLE. Minn. No. 1045 Parentage 35/4 Duch x Grimes Location 4C-5-51 ✓

Characters	Described <u>9/25</u> 19 <u>31</u>	Described <u>9/28</u> 19 <u>33</u>	Described <u>9/14</u> 19 <u>37</u>	Described _____ 19____
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season	<u>Fall</u>	✓		
Picking date	<u>9/8/31</u>			
Size	<u>2 X 2 1/2</u>	<u>2 1/4 X 2 1/4</u>		
Shape	<u>Round-conic</u>	✓		
Color	<u>med. red stripes 3/4 over yellow</u>	✓		
Dots, Bloom	<u>Large, numerous, conspicuous</u>	✓		
Stem	<u>med.</u>	<u>1/2 long.</u>		
Cavity	<u>deep-abrupt.</u>	<u>med deep - wide</u>		
Basin	<u>med, deep - wide</u>	✓ <u>wrinkled</u>		
Calyx and tube	<u>almost open - long sepals - tube ^{closed} very short</u>	✓		
Flesh color	<u>yellow</u>	✓		
Flesh texture	<u>med.</u>	✓		
Skin	<u>Thin - tender</u>	✓		
Flavor	<u>sub-acid - fair</u>	✓		
Quality	<u>2 X - druf.</u>	✓	<u>3Y</u>	
Rating	<u>2X</u>	✓		
Remarks			<u>att. 4Y.</u>	
			<u>Hold.</u>	

APPLE.

Minn. No. 1046

Location

HC-19-40 Jonathan x Duchess

Characters	19 ³⁰	19 ³²	19 ³⁷ 9/3	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	8/15/30	8/22/32			
Size	med. 2 1/2 x 2 1/2	2 x 2 1/2			
Shape	Round Conic	oblate			
Color	Green with light red	med red strip 1/2 over lit green			
Stem	med.	✓			
Cavity	Deep flaring	✓ wrinkled			
Basin	Narrow abrupt.	wide-abrupt.			
Calyx	Closed, Tube med, triangular	closed, reflexed, funnel			
Flesh color	Greenish white	nearly white			
Flesh texture	Crisp tender	✓			
Skin	md. thick, tough.	✓			
Flavor	subacid	✓			
Quality	Good x x x	poor.		Dis.	
Type of				att: - 3x	
Rating	X X X	3x		Very dark but dull. Dis.	

APPLE. Minn. No. 1047 Location HC 10-86 *King David x Charlton*

Characters	19 <u>30</u>	19 <u>29/33</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<i>fall</i>				
Picking date	<i>9/9/30</i>				
Size	<i>1 7/8 x 2 1/4</i>	<i>2 x 2 1/4</i>			
Shape	<i>○ lobate</i>	<i>ob. nearly round</i>			
Color	<i>pred. ^{over 1/4} green</i>	<i>med. dr. 1/2 or green</i>			
Stem	<i>small slender.</i>	<i>med.</i>			
Cavity	<i>med flaring</i>	✓			
Basin	<i>small narrow</i>	<i>med deep - narrow</i>			
Calyx	<i>closed, - tube</i>	✓			
Flesh color	<i>h. yellow</i>	✓			
Flesh texture	<i>Med grainy tex.</i>	✓ <i>juicy</i>			
Skin	<i>med.</i>	✓			
Flavor	<i>sub acid</i>	✓			
Quality	<i>fair XX.</i>	✓			
Type of					
Rating	<i>XX</i>	✓			

APPLE.

Minn. No.

1048

Location

5B-7-52

In. 1 Duch.

Characters	19 ³⁰	19 ³¹	19 ³³	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	fall	✓	Descr ^{9/13/33}		
Picking date	8/24/30	9/8/31			
Size	large. 2 1/2 x 3	✓	2 1/4 x 2 3/4		
Shape	oblate	✓	✓		
Color	med red wash over yellow	dk. red 3/4 over yellow	✓		
Stem	short heavy	med.	✓		
Cavity	deep.	deep - abrupt	✓		
Basin	med.	med deep - wide	✓		
Calyx	Partly closed, 4 to 5, med size triangular	✓	✓		
Flesh color	yellowish white	med. yellow	✓		
Flesh texture	tender med grain	med.	✓		
Skin	thin	✓	✓		
Flavor	subacid	✓	✓		
Quality	Good XXX	XXX	✓		
Type of					
Rating	XXX	✓	3X		

APPLE. Minn. No. 1049 Location 4C-3-25 King David x Duck 61-6-6, 189

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>37</u> 9/14	19 <u>49</u>	19 <u>50</u>
Tree Vigor					
Form					good.
Productivity					
Disease					
Hardiness					
Fruit Season	Autumn			mid-season	Sept. 8 '50
Picking date	9/4/30	8/29/32		8/25/49	↘
Size	med. 2 x 2 1/4	✓		2 3/4" x 2 1/4"	large
Shape	Round	✓		round, oblate.	s, oblate
Color	Green - med red 1/2 over stem and green.	fruit red 3/4 over green		dark red, 3/4 to full over yellow	bright dark red nearly full
Stem	Long - med thick	✓		med large & thick	thick - med long
Cavity	med deep - med wide	✓		med deep, with flaring	deep - flaring
Basin	med deep - wide	✓ furrowed		shallow, wide furrowed	✓
Calyx	Closed - Tube shallow med wide	✓		closed tube short	✓
Flesh color	yellow	✓		✓	✓
Flesh texture	Tender - med grain	med.		tender, coarse grain	→ ✓
Skin	med thick - tender	med		med thick, med tend	→ ✓
Flavor	Sub-acid - good	✓			✓ + med, to acid
Quality	Good 3X	✓		3X-	4X
Type of				over-ripe, nearly	#978?
Rating	- 2X	✓		att. 3X Dm.	

APPLE. Minn. No. 1050

Location 4C-17-62

King David x Bush

Characters	19 <u>30</u>	19 <u>31</u>	19 <u>32</u>	19 <u>33</u>	19 <u>37</u> 9/14
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Autumn</u>	✓			
Picking date	<u>9/4/30</u>	✓	<u>8/29/32</u>	Descrif. 9/13	
Size	<u>med. 2 X 2 1/4</u>	<u>2 X 2 1/2</u>	<u>2 1/4 X 2 1/2</u>	<u>2 1/4 X 2 1/2</u>	
Shape	<u>Ovate</u>	✓	<u>Round-slightly conic</u>	✓	
Color	<u>Green with bright red skin</u>	✓	<u>Sk. solid red - with faint stripes</u>	✓	
Stem	<u>Long - med thick</u>	✓	<u>med.</u>	✓	
Cavity	<u>Deep - abrupt.</u>	✓	✓	✓	
Basin	<u>med. deep - med wide</u>	✓	<u>furrowed</u>	✓	
Calyx	<u>closed - reflexed - shallow tube</u>	✓	✓	✓	
Flesh color	<u>yellow</u>	✓	<u>Sk yellow</u>	✓	
Flesh texture	<u>med - coarse - dry</u>	✓	✓	✓	
Skin	<u>med - thick - med tender</u>	✓	✓	✓	
Flavor	<u>mild sub-acid</u>	✓	✓	✓	
Quality	<u>Good - 3X</u>	✓	✓	✓	2X
Type of	—				
Rating	<u>4X</u>	<u>3X</u>	<u>(peeks down to soon)</u>	<u>3X</u>	<u>att: 3X Dis.</u>

APPLE. Minn. No. 1051

Parentage

Jon x Duch

Location

573-8-84

Characters	Described _____ 19 <u>32</u>	Described <u>9/24</u> 19 <u>37</u>	Described _____ 19 _____	Described _____ 19 _____
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season	Summer			
Picking date	8/22/37			
Size	2 1/2 x 2 3/4			
Shape	oblate-conic.			
Color	Sk. red 1/2 over green			
Dots, Bloom	large, numerous, light color.			
Stem	long-med thick.			
Cavity	med deep - wide.			
Basin	shallow-wide, wrinkled			
Calyx and tube	closed - tube closed - narrow funnel			
Flesh color	greenish yellow.			
Flesh texture	med grain - med tough			
Skin	med thick - tough			
Flavor	acid - fair.			
Quality	fair 2x	3x	2x	
Rating	2x			
Remarks		att-4x		

APPLE.

Minn. No.

30/19
1052

Location

penches x fenathans
40-19-18

Characters	19 ³⁰	19 ³²	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit, Season	Summer.	✓			
Picking date	8/11/30	8/22/32			
Size	Med. 2 1/2 x 2 1/2	2 x 2 1/4			
Shape	oblong truncate	✓			
Color	dull, bronze red over greenish yellow	✓			
Stem	variable - mostly short	very long - 2"			
Cavity	narrow, med deep.	deep			
Basin	large, abrupt, wide, furrowed	✓			
Calyx	partly open - horn shaped	✓			
Flesh color	white	✓			
Flesh texture	very tender fine grained juicy	✓			
Skin	thin, med tender	✓			
Flavor	subacid-	✓			
Quality	very good XXXXX	✓			
Type of	fenathans but dull appearance				
Rating	XXXX	✓			

APPLE.

Minn. No. 1053

Location

573-9-71Primes x Duck

Characters	19 <u>32</u>	19 <u>33</u> <u>9/13</u>	19 —	19 —	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season					
Picking date	<u>8/29/32</u>				
Size	<u>2 x 2 1/2</u>	<u>2 x 2</u>			
Shape	<u>variable - round to round conic.</u>	<u>✓</u>			
Color	<u>med. red stripe 3/4 over green.</u>	<u>✓</u>			
Stem	<u>Long - med.</u>	<u>✓</u>			
Cavity	<u>Deep - abrupt - flaring.</u>	<u>✓</u>			
Basin	<u>med deep - narrow - wrinkled</u>	<u>✓</u>			
Calyx	<u>closed -</u>	<u>✓</u>			
Flesh color	<u>light yellow</u>	<u>✓</u>			
Flesh texture	<u>tough - med gr.</u>	<u>✓</u>			
Skin	<u>med thick - tough</u>	<u>✓</u>			
Flavor	<u>sub - acid.</u>	<u>✓</u>			
Quality	<u>fair.</u>	<u>✓</u>			
Type of					
Rating	<u>3X</u>	<u>X small-green</u>			

APPLE. Minn. No. 1054 Location WC-24-63 King David's Seed

Characters	19—	19 <u>32</u>	19 <u>9/13/33</u>	19 <u>37 9/3</u>	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>fall</u>	<u>Autumn.</u>			
Picking date	<u>9/4/30</u>	<u>9/15/32</u>			
Size	<u>small. 2 x 2 1/4</u>	<u>2 x 2 1/2</u>	<u>1 3/4 x 2"</u>		
Shape	<u>Round slightly conc.</u>	<u>✓</u>	<u>✓</u>		
Color	<u>D. red outside over green.</u>	<u>Dark red solid 3/4 over green.</u>	<u>✓</u>		
Stem	<u>V. long, heavy.</u>	<u>V. long slender</u>	<u>✓</u>		
Cavity	<u>flaring</u>	<u>med. deep - flaring.</u>	<u>✓</u>		
Basin	<u>deep abrupt</u>	<u>Deep-wide, abrupt</u>	<u>med deep-wide-wrinkled</u>		
Calyx	<u>reflex closed, tube med depth triangular</u>	<u>✓</u>	<u>funnel</u>	<u>✓</u>	
Flesh color	<u>lt. yellow.</u>	<u>✓</u>	<u>✓</u>		
Flesh texture	<u>tender, med grain</u>	<u>✓</u>	<u>Coarse, tough</u>		
Skin	<u>med.</u>	<u>✓</u>	<u>✓ waxy</u>		
Flavor	<u>sub acid</u>	<u>✓</u>	<u>✓</u>		
Quality	<u>good XXX</u>	<u>✓</u>	<u>✓</u>	<u>2X</u>	
Type of					
Rating	<u>XX</u>	<u>3X</u>	<u>2X small</u>	<u>att: 2X (Pie)</u>	

APPLE. Minn. No. 1055

Parentage

Wealthy Alabama

Location

4C-2-82

Characters	Described _____ 19____	Described _____ 19____	Described _____ 19____	Described _____ 19____
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season				
Picking date				
Size	<u>2 1/4 x 2 3/4</u>			
Shape	<u>roundish oblate</u>			
Color	<u>med red stripe 1/4 over yellow.</u>			
Dots, Bloom				
Stem	<u>Long slender.</u>			
Cavity	<u>med - abrupt.</u>			
Basin	<u>small - abrupt.</u>			
Calyx and tube	<u>med - closed - long open wide funnel</u>			
Flesh color	<u>yellow.</u>			
Flesh texture	<u>med - med juicy.</u>			
Skin	<u>med - tough</u>			
Flavor	<u>snt - acid.</u>			
Quality	<u>fair.</u>			
Rating	<u>3x</u>			
Remarks				

APPLE. Minn. No. 1056 ^{King David x Leucosa 12/19 ✓} Location 4C-3-44

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u> 9/13	19 <u>37</u> 9/3	19 <u> </u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	of leucosa.	Summer			
Picking date	9/11/30	8/2/32			
Size	2 1/2 x 2 1/4 med.	1 3/4 x 2 1/4	2 x 2 1/4		
Shape	oblate, pleonic	✓	oblate.		
Color	bright, attract, red, sl striped ✓	✓	✓		
Stem	thick - med long	long - med thick	✓		
Cavity	med deep, med wide	✓	✓		
Basin	shallow	✓	✓		
Calyx	close st, tube long funnel form, ✓	✓	large calyx		
Flesh color	whitish, sl. tinge yell, ✓	✓	lt. yellow		
Flesh texture	med coarse, med length ✓	✓	✓		
Skin	tough, med thick	med	med.		
Flavor	acid but not as sour as leucosa ✓	✓	✓		
Quality	X	✓	✓		
Type of				1X	
Rating	XX	✓	✓	att.: 3X (Dis)	

APPLE. Minn. No. 1057 Location HC-3-53 King David x Duch

Characters	19 <u>30</u>	19 <u>37</u>	19 <u>9/18</u>	19 <u>—</u>	19 <u>—</u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer.				
Picking date	8/22/30				
Size	med. $2\frac{3}{4} \times 2\frac{5}{8}$				
Shape	Round conic,				
Color	Dull red over l. gr.				
Stem	long leany.				
Cavity	med deep flaring				
Basin	Shallow, wrinkled				
Calyx	closed 5 ribs med deep triangular				
Flesh color	gr. yellow.				
Flesh texture	med.				
Skin	med. thick tough				
Flavor	acid				
Quality	Fruit x 7		1 x sour		
Type of					
Rating	XX		att. 3X Dis.		

APPLE. Minn. No. 1058

Location 4C-8-59

Swch. x Del.

Characters	1930	1937 9/24	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Autumn				
Picking date	9/4/30				
Size	med. 2 x 2 1/2				
Shape	Oblate				
Color	Green with 3/4 light red stripe				
Stem	Long - med thick				
Cavity	med deep - wide - flaring				
Basin	med deep - wide				
Calyx	Open - Tube wide funnel				
Flesh color	yellow				
Flesh texture	Tender - med grain				
Skin	Tough - med thick				
Flavor	Sub-acid - good				
Quality	Good - 4X	2X			
Type of	-				
Rating	3X	3X			

APPLE:

Minn. No.

1059

Location

4C-18-94

Jan. x Dec.

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>9/17/33</u>	19 <u>37</u> <u>9/18</u>	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Autumn	✓			
Picking date	9/4/30	9/15/32			
Size	med. 1 3/4 x 2 1/4	2 1/4 x 2 1/2	✓		
Shape	Oblate	angular-ponndish-oblate	oblate		
Color	Green with 3/4 med red stripe	3/4 med red stripe over green.	✓		
Stem	med long - slender	✓	✓		
Cavity	Deep & flaring	✓	✓		
Basin	med deep - abrupt	✓	✓ wide-furrowed.		
Calyx	Closed - Tube med wide, shallow	✓	✓		
Flesh color	Light yellow	✓	✓		
Flesh texture	med tough - med grain	✓	✓		
Skin	med thick - med tough	✓	✓		
Flavor	acid - fair	✓	✓		
Quality	Fair 2X	✓	✓	1X acid	
Type of	—				
Rating	2X	3X (appearance)	✓	att. 4X - Dis.	

#1060

Mixed Winter

9/24/37

Quality - HX

Attract. - Dis.

Remarks - Dis.

APPLE. Minn. No. 1061

Location 5B-3-73

Quines x Quack

Characters	19 <u>32</u>	19 <u>37</u> <u>9/24</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>				
Picking date	<u>8/29/02</u>				
Size	<u>2 1/4 x 3</u>				
Shape	<u>oblate - nearly round</u>				
Color	<u>med red stripe 3/4 over yell</u>				
Stem	<u>long - med.</u>				
Cavity	<u>Deep - acuminate</u>				
Basin	<u>Wide - deep - abrupt.</u>				
Calyx	<u>nearly open -</u>				
Flesh color	<u>yellow.</u>				
Flesh texture	<u>yellow tender -</u>				
Skin	<u>med.</u>				
Flavor	<u>sub - acid.</u>				
Quality	<u>fair.</u>	<u>2x part</u>			
Type of					
Rating	<u>3x</u>	<u>att. 5x</u>			

APPLE. Minn. No. 1064 Parentage Jon. x Duch. Location 57B-9-3'

Characters	Described <u>9-13</u> 19 <u>33</u>	Described <u>9/24</u> 19 <u>37</u>	Described 19	Described 19
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season				
Picking date				
Size	<u>2 x 2 1/2"</u>			
Shape	<u>oblate</u>			
Color	<u>medium strip 3/4 over green.</u>			
Dots, Bloom	<u>numerous - large, gray</u>			
Stem	<u>long - slender</u>			
Cavity	<u>deep - flaring</u>			
Basin	<u>shallow, wrinkled</u>			
Calyx and tube	<u>closed - short closed tube.</u>			
Flesh color	<u>yellow</u>			
Flesh texture	<u>med.</u>			
Skin	<u>med - tough</u>			
Flavor	<u>sub.</u>			
Quality	<u>fair</u>	<u>3x</u>		
Rating	<u>2 x</u>			
Remarks		<u>att 3x</u>		

APPLE. Minn. No. 1065 Location 6B - 6-24, Tuckers X King David

Characters	19 ³⁰	19 ³²	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	Ripe 9/1/30	8/27/32			
Size	Small 1 7/8 x 2 3/8	2 1/2 x 2			
Shape	Round oblate	oblate			
Color	Yellow Gr. with bright red.	3/4 red over green - large dots.			
Stem	Long, med thick	✓			
Cavity	Deep, flaring	✓			
Basin	Shallow Broad	✓			
Calyx	Large, close reflexed. Tube	✓ deep funnel			
Flesh color	Yellowish white	lt. yellow.			
Flesh texture	Med coarse tough	med.			
Skin	Thick tough	✓			
Flavor	subacid.	acid.			
Quality	Fair to good XX	✓			
Type of	King David				
Rating	XXX	3X crk.			

(Very mealy texture)

APPLE.

Minn. No. 1066

Location 4C-9-39

King David x Duch

Characters	19 <u>30</u>	19 <u>33</u> 9/13	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>full</u>				
Picking date	<u>9/4/30</u>				
Size	<u>Small 2x2³/₈</u>	<u>2x2¹/₄</u>			
Shape	<u>Oblate</u>				
Color	<u>D. red str. over green</u>	<u>dk. red str. 3/4 over gr.</u>			
Stem	<u>med. long, heavy</u>	<u>long - med. thick</u>			
Cavity	<u>med.</u>				
Basin	<u>abrupt wrinkled</u>	<u>shallow - wide wrinkled</u>			
Calyx	<u>closed reflexed, 5-lobed med. deep</u>	<u>rectangular</u>			
Flesh color	<u>yellowish</u>				
Flesh texture	<u>fine grained - med.</u>	<u>med.</u>			
Skin	<u>med. thick & tough</u>				
Flavor	<u>Sweet</u>	<u>acid.</u>			
Quality	<u>Fair x</u>	<u>poor</u>			
Type of	<u>wealthy</u>				
Rating	<u>XX</u>	<u>X</u>			

APPLE. Minn. No. ³⁵⁷¹⁹ 1067 *Bluchers x grisea.* Location HC-4-96

Characters	19 ³⁰	19	19	19	19
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	later than Bluchers.				
Picking date	8/11/30 - not quite ripe				
Size	med $2\frac{1}{4} \times 2\frac{3}{4}$				
Shape	oblate - 1/8 rounded oblate				
Color	light red stripe on 1 side over bright yel.				
Stem	med. ^{long} thick				
Cavity	deep, narrow				
Basin	deep abrupt, sl. furrowed				
Calyx	closed, wide long funnel				
Flesh color	tinged yellow				
Flesh texture	crisp, juicy fine gr. med tough				
Skin	thin				
Flavor	slightly subacid				
Quality	xxx				
Type of					
Rating	xxx				

APPLE. Minn. No. 1866 Location 4c-5-87 T. Duchesne x Delicious

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>37</u> 9/3	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	Hard ripe 8/11/30	8/22/32			
Size	Small	2 X 2 1/2			
Shape	Truncate conical	oblate			
Color	Yellow with pink blush	med red 1/4 over yell.			
Stem	long very thick	long-med stout			
Cavity	deep, oblong	✓			
Basin	Broad shallow, almost rimmed	✓			
Calyx	Large nearly closed, tube long	small			
Flesh color	Yellowish white	yellow tinged with green			
Flesh texture	firm crisp, juicy	med-med juicy			
Skin	Thin, med tough	✓			
Flavor	Subacid	subacid			
Quality	Good xxx	✓			
Type of	Delicious	—			
Rating	xxx	✓			

3x
att: 3x
watch

Distinct Delicious type in stem basin & cavity

Jonathan x blubers 3419-1069

APPLE. Minn. No.

Location

40-18-95'

Characters	19 ³⁰	19	19	19	19
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season					
Picking date	8/11/30	8/22/32			
Size	small 2 x 2 3/8	1 3/4 x 2			
Shape	roundish oblate	✓			
Color	well covered dull red, + heavy bloom	✓			
Stem	long, slender,	✓			
Cavity	deep narrow,	✓			
Basin	med deep, abrupt	wide			
Calyx	mostly closed - long funnel				
Flesh color	yellowish,	✓			
Flesh texture	tender, fine gr.	✓ med gr.			
Skin	med thick - tough	✓			
Flavor	mild subacid, - sl. blubers flavor,				
Quality	good	xxxx			
Type of	intermediate between J m + blubers				
Rating	xxx size for small				

APPLE.

Minn. No.

1070

Location

HC-14-76

(Jonathan A. Duchesne)

Characters

19

30

19

19

19

19

Tree Vigor

Form

Productivity

Disease

Hardiness

Fruit Season

Summer

Picking date

8/11/30

Size

med to small $1\frac{1}{8} \times 2\frac{1}{2}$

Shape

oblate

Color

Dull red over green.

Stem

med length, thick

Cavity

V. broad deep; flaring

Basin

V. smooth, med. width, shallow

Calyx

closed. Tube funnel shaped, med. length.

Flesh color

white

Flesh texture

tender juicy

Skin

thin med. tender

Flavor

V. mild subacid

Quality

fair to poor X

Type of

Duchesne.

Rating

X X

APPLE. Minn. No. 1071

Location HC-2469

King David x Duchess

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u>	19 <u>32</u> 9/3	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>		<u>Descr. 9/3</u>		
Picking date	<u>4 weeks ripe 8/11/30</u>				
Size	<u>Small 1 7/8 x 2 1/8</u>	<u>1 3/4 x 2 1/4</u>	<u>1 3/4 x 2"</u>		
Shape	<u>Round, slightly ablate</u>	✓	✓		
Color	<u>Bright red over light green</u>	<u>Bright red (glossy) stripe full</u>	✓		
Stem	<u>med. length, thick</u>	✓	✓		
Cavity	<u>Reg. med. width + depth</u>	✓	✓		
Basin	<u>Very reg. narrow + shallow</u>	<u>variable - usually wide flaring, deep</u>	✓		
Calyx	<u>closed, reflexed, Tube v. small + shallow</u>	<u>Tube open</u>	✓	<u>closed</u>	
Flesh color	<u>Greenish w. bits</u>	✓	<u>light yellow</u>		
Flesh texture	<u>fine firm, juicy</u>	<u>med-</u>	✓		
Skin	<u>med. thick, tough</u>	✓	✓		
Flavor	<u>subacid to slightly acid</u>	✓	<u>sub.</u>		
Quality	<u>Fair X Y</u>	✓	✓	<u>1X</u>	
Type of					
Rating	<u>X X.</u>	<u>3 Y</u>	<u>2 X</u>	<u>att: - 2X</u>	<u>Dis</u>

APPLE.

Minn. No.

123/19 - King Heart X Hebe
1072

Location

4C-27-31

Characters	19 ³⁰	19	19	19	19
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	summer - blueless.				
Picking date	8/11/30				
Size	2 x 2 1/2 below med.				
Shape	roundish oblate				
Color	bright-light red, some stripes				
Stem	long-thick				
Cavity	shallow to med, well flaring				
Basin	shallow wide				
Calyx	closed - tube long conic				
Flesh color	white				
Flesh texture	med coarse - tough				
Skin	thin - med tough				
Flavor	acid -				
Quality	only fair				
Type of					
Rating	XX acct color				

APPLE.

Minn. No.

1073

Location

5B-C-79

Jon. & Batten

Characters	19 ²⁰	19 ³²	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer 7/1/30 ✓				
Picking date	Hardripe 8/11/30	8/22/32			
Size	Med. 2 1/4 x 2 3/8	1 3/4 x 1 3/4			
Shape	Round to round ablat	round to conic. ^{slightly}			
Color	Green with wash + faint stripes of bright red	Dull mottled red over green			
Stem	Med. length, thick	long med.			
Cavity	Narrow, med. depth	✓			
Basin	Narrow abrupt	wide-shallow			
Calyx	tightly closed	✓			
Flesh color	white	✓			
Flesh texture	med. fine, juicy	✓			
Skin	med. thick, tough	✓			
Flavor	subacid to acid	acid			
Quality	Good.	fair			
Type of					
Rating	XX	X			

APPLE. Minn. No. 1074 ^{leaved x blueberry}

Location 5B-3-98

Characters	19 <u>30</u>	19 <u>38</u> 9/13	19 <u>49</u> 9/9	19 <u>50</u>	19 <u> </u>
Tree Vigor				trees 61-6-13 to 16	
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer		Summer	Summer.	
Picking date	8/11/30		8/20/49	8/22/50	
Size	med. 2 ³ / ₈ x 2 ³ / ₈	2 1/4 x 2 1/4	2 1/2 x 2 1/4	2 3/4 wide x 2 1/2 long	
Shape	Round conic	✓	✓	subindish sl. oblate	
Color	light red over light yellow over green	str. red 1/2	bright red, striped 3/4 to full over yellow	Bright med. red 3/4 over yel. v. alt.	
Stem	Long slender	✓	med. long slender	med to long med. of pink.	
Cavity	Deep med, flaring	✓	med deep, flaring	✓	
Basin	Small, very narrow & shallow	shallow - wide wrinkled	med. shallow, wide wrinkled	med deep, wide flaring wrinkled	
Calyx	tightly closed. Tube. Triangular, shallow	✓	calyx closed tube small.	med deep, closed. tube short conic creamy yellow	
Flesh color	Greenish w. bits.	yellow.	yellowish white	pinkish white, tender med green	
Flesh texture	v. tender juicy	medi. ✓	tender	thin, med tough	
Skin	Thin, tough	thin - med.	thin	mild acid sprightly	
Flavor	mild, subacid.	✓		good HX	
Quality	Load XXXX	fair 2X		Jonathan type	
Type of					
Rating	XXXX	2X	overripe	5X	

APPLE. Minn. No. 1075 Location 513-9-26 Jon. x Beech

Characters	19 <u>30</u>	19 <u>33</u> 9/10	19 <u>34</u>	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer		Summer		
Picking date	Hard ripe 8/11/30		8/3/34		
Size	Small 2 1/4 x 2 1/4"	✓	1 3/4 x 2 1/4"		
Shape	Round conic	✓	✓		
Color	Light gr. with dark red ^{with} int.	yellow	same as '30, striped		
Stem	Long, med. thick	✓	short stem		
Cavity	med. wide, deep	✓	✓		
Basin	Small, very narrow to abrupt	shallow	narrow shallow wide		
Calyx	closed, tube broad very shallow	✓	closed, tube broad, shallow		
Flesh color	white, greenish cast	yellow	same as '30		
Flesh texture	fine	coarse - tough	Coarse, med tough		
Skin	med.	✓	✓		
Flavor	subacid	✓	✓		
Quality	fair x x	✓	X		
Type of					
Rating	xx	✓	X		

APPLE. Minn. No. 1076 Location 5D-2-53 5 Duch. x ?

Characters	19 <u>38</u>	19 <u>32</u>	19 <u>37</u> <u>9/3</u>	19 <u>40</u>	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓			
Picking date	<u>Ripe 8/11/30</u>	<u>8/22/32</u>	<u>8/21/40</u>		
Size	<u>Med. 2 3/8 x 2 1/4</u>		✓		
Shape	<u>Oblate truncate</u>		✓		
Color	<u>Green, with deep red.</u>		✓		
Stem	<u>5 lined, med thick</u>		✓		
Cavity	<u>Med deep, flaring</u>			<u>med deep wide flaring</u>	
Basin	<u>Wide, shallow, abrupt.</u>				
Calyx	<u>Large nearly closed, Tube V. Broad, triangular.</u>			✓	
Flesh color	<u>Greenish white</u>		✓		
Flesh texture	<u>Crisp juicy</u>		✓		
Skin	<u>Thin, tough</u>				
Flavor	<u>subacid to acid</u>				
Quality	<u>fair to good XX</u>				
Type of					
Rating	<u>XX</u>		<u>2X</u> <u>att: 2X+</u> <u>Full. Dis.</u>	<u>holding well</u> <u>for early apple</u>	

APPLE.

Minn. No.

1077

Location

6B-4-36

(Wealthy x Malinda)

Characters	19 ³⁰	19 ³²	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	hard ripe 8/11/30	9/22/32			
Size	Small 1 ³ / ₄ x 2 ³ / ₄	2 ¹ / ₄ x 2 ³ / ₄			
Shape	Oblate	✓			
Color	L. Gr. with red blush	1/4 to 1/2 light ripe red stripes over yellow			
Stem	med long, thick	med.			
Cavity	Med. deep flaring, sunken	✓			
Basin	Narrow, abrupt.	med deep-wide			
Calyx	Partly open, tube long funnel	✓			
Flesh color	Greenish white	light yellow			
Flesh texture	fine, tender	med.			
Skin	Thin, hard, tough	med.			
Flavor	Sweet	sub-acid.			
Quality	Good XXX	✓			
Type of	Wealthy				
Rating	XXX	✓			

APPLE. Minn. No. 1078 Location CB-11-22 (Jonathan x Delicious)

Characters	19 <u>30</u>	19 <u>32</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	ripe 8/11/30	8/22/32			
Size	med. 2 1/4 x 2 3/4	✓			
Shape	oblate irreg.	✓			
Color	Green with dull blush	✓			
Stem	med.	✓			
Cavity	Deep, flaring rimmed	✓			
Basin	narrow abrupt - med deep - wide				
Calyx	Partially open. Tube large, triangular	✓			
Flesh color	Gr. w. bite - lt. yellow				
Flesh texture	juicy tough	✓			
Skin	med. thick & tough	✓			
Flavor	V. mild subacid	✓			
Quality	Good x x x	✓			
Type of	Hibernial				
Rating	X	2 X			

APPLE. Minn. No. 1079

Location

12-12, 17, 19, 20
7-19-60

Characters	19 <u>30</u>	19 <u>42</u>	19 <u>43</u>	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	Picked 8/12/42			
Picking date	Ripe 8/11/30		8/12/43		
Size	Small 2 3/8 x 2 1/4	below med.	✓		
Shape	Oblong truncate, angular	slender oblong	✓		
Color	Yel. with bright red to dark red stripes	over yellow, heavy purple bloom	✓		
Stem	Long, med thick	long with wart (on some)	✓		
Cavity	deep flaring	lat compressed	✓		
Basin	shallow wrinkled	almost mamiform protuberances	✓		
Calyx	small closed, 7-8, med. long funnel	obscure radiating sutures			
Flesh color	w white	greenish yellow stains red	v. light yellow.		
Flesh texture	Crisp juicy.	✓	coarse		
Skin	med. thick. tough	✓	✓		
Flavor	sprightly subacid.	acid	acid		
Quality	Good XXX		hard		
Type of	One delicious	not ripe empty to eat.			
Rating	XXXX	heavy bloom detracts from appearance.	disc 43		

APPLE. Minn. No. 1080 Location 4C-1-95 Jon. x Duck

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u> 9/13	19 <u>37</u> 9/3	19 <u> </u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Autumn</u>				
Picking date	<u>9/5/30</u>	<u>8/29/32</u>			
Size	<u>med to small 1 3/4 x 2 1/4</u>	<u>2 1/2 x 2 3/4</u>	✓		
Shape	<u>Oblate</u>	<u>Round</u>	✓		
Color	<u>Green - 3/4 med red stripes</u>	✓	✓		
Stem	<u>Extra long - slender</u>	✓	✓		
Cavity	<u>med deep - med wide</u>	✓	✓		
Basin	<u>shallow - wide</u>	<u>med</u>	✓		
Calyx	<u>closed - tube very shallow</u>	✓	✓		
Flesh color	<u>yellow</u>	<u>lt. yellow</u>	✓		
Flesh texture	<u>Tender - med grain</u>	<u>med</u>	✓		
Skin	<u>tender - med thick</u>	<u>med</u>	✓	<u>tender</u>	
Flavor	<u>subacid</u>	<u>acid</u>	✓		
Quality	<u>Fair - 2X</u>	✓	✓		<u>2X</u>
Type of					
Rating	<u>3X</u>	✓	✓		<u>att: 2X (Dis)</u>

APPLE.

Minn. No. 1681

Location

HC-5-18 Duchess x Luimes.

Characters	19 ³⁰	19 ^{37 9/3}	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer				
Picking date	8/15/30				
Size	Small 2 x 2 1/4				
Shape	Round oblate				
Color	h. Green with bright red				
Stem	long thick				
Cavity	med. depth flaring				
Basin	shallow				
Calyx	loose, 5-lobed, med. depth triangular				
Flesh color	Gr. w. hints				
Flesh texture	fine juicy				
Skin	thin med. tough				
Flavor	sprightly subacid				
Quality	Good XXX	14			
Type of	Duchess	att: 24			
Rating	XXX	Dis.			

APPLE.

Minn. No.

1082

Location

H.C. - 5 - 19

Duchess X Limes

Characters	1930	1937 9/3	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer.				
Picking date	8/15/30				
Size	Small to med 2 x 2 1/2				
Shape	oblate				
Color	Gr. with bright red striping				
Stem	Long med. heavy.				
Cavity	mid deep flaring				
Basin	shallow				
Calyx	closed, Tube deep funnel shape				
Flesh color	greenish white				
Flesh texture	fine slightly tough				
Skin	thin med tough				
Flavor	subacid				
Quality	Good X X X	1 X			
Type of	Duchess	att: - 1 X			
Rating	X X X	Pull. Dis			

APPLE.

Minn. No.

1083

Location

HC-19-6

Jonathan x Puchers.

Characters	1930	19	19	19	19
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	8/15/30	8/22/30			
Size	large - 2 1/2 x 3	2 1/4 x 2 3/4			
Shape	Round oblate	oblate.			
Color	L. dr. with bright red.	med red stripe 3/4 or yellow			
Stem	med.	long - slender.			
Cavity	narrow deep.	✓			
Basin	narrow med. deep, wrinkled	✓ furrowed, with open wide			
Calyx	Small closed, tube wide open to core	open.			
Flesh color	w. white	yellow.			
Flesh texture	V. tender + crisp	tender - med gr.			
Skin	thin tough	thin - med tough			
Flavor	subacid	✓			
Quality	A cad XXXX	fair.			
Type of	Puchers				
Rating	XXX	3 X			

APPLE. Minn. No. 1084 ^{King David x Duchess} Location 5D-6-67

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>9/14</u>	19 <u> </u>	19 <u> </u>
Tree Vigor	$\frac{1}{2}$ dead 40				
Form					
Productivity					
Disease	some rust 40				
Hardiness					
Fruit Season	Summer				
Picking date	8/13/30				
Size	3 mm diam $2 \times 2 \frac{3}{8}$				
Shape	Round oblate				
Color	Green with bright red				
Stem	long slender				
Cavity	med. deep, flaring				
Basin	Narrow, shallow, wrinkled				
Calyx	closed, reflexed, Tube shallow triangular				
Flesh color	Green w. bits				
Flesh texture	fine juicy				
Skin	Thin, med. tough				
Flavor	sprightly subacid				
Quality	Good X X X		24		
Type of	Wealthy				
Rating	X X		att 347		

APPLE. Minn. No. 1085 Location R1-26-16 (was mixture in #207)

Characters	19 ²⁰	19—	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer				
Picking date	8/16/30				
Size	med. $2\frac{7}{8} \times 2\frac{5}{8}$				
Shape	Round cone slightly truncate				
Color	Yellow with pink blush				
Stem	med short				
Cavity	flaring				
Basin	narrow abrupt				
Calyx	small closed				
Flesh color	yellowish white				
Flesh texture	slightly tough				
Skin	thin, tough, waxy				
Flavor	mild subacid				
Quality	fair XX				
Type of	malinka				
Rating	XXX				

APPLE. Minn. No. 1086 Location HC-4-1 Charlevoix Del.

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u> 9/13	19 <u>37</u> 9/3	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	8/22/30	✓			
Size	med. 2 1/2 x 2 1/8	✓	2 x 2 1/16		
Shape	Round-conic	✓	✓		
Color	Green-3/4 solid red-purple bloom	light red 1/2 over green	✓		
Stem	Very short-med thick	med.	✓		
Cavity	Deep-very abrupt.	✓	✓		
Basin	Deep-med wide	furrowed,	med deep-wide		
Calyx	Closed-wide wedge tube	✓	✓		
Flesh color	greenish yellow	✓	yellow.		
Flesh texture	crisp-med grain-juicy.	✓	crasse-tough		
Skin	med thick-med tough	✓	✓		
Flavor	Sub-acid	✓	acid		
Quality	Good 3X	✓	poor	2X	
Type of				att: 3X (Piss)	
Rating	3X	✓	X		

APPLE. Minn. No. 1087 Location 4c-3-17 King David's Bush

Characters	19 <u>30</u>	19 <u>32</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer.</u>	✓			
Picking date	<u>8/22/30</u>	<u>8/22/32</u>			
Size	<u>med large, 2 5/8 x 2 3/4</u>	<u>2 x 2 1/4</u>			
Shape	<u>1 down h. ad. Angular</u>	<u>round</u>			
Color	<u>med. red stripe over yellow</u>	<u>light strip 1/4 over yellow</u>			
Stem	<u>med.</u>	<u>long - slender</u>			
Cavity	<u>✓ deep.</u>	<u>deep - abrupt.</u>			
Basin	<u>deep abrupt. wrinkled</u>	<u>med. abrupt. wrinkled.</u>			
Calyx	<u>partially closed, Pale med.</u>	<u>closed - tube</u>			
Flesh color	<u>light yellow</u>	<u>yellow.</u>			
Flesh texture	<u>firm med. grain</u>	<u>tender - coarse</u>			
Skin	<u>med. thick tough</u>	✓			
Flavor	<u>subacid</u>	✓			
Quality	<u>1st x x x</u>	✓			
Type of	<u>P</u>				
Rating	<u>x x x</u>	✓			

APPLE. Minn. No. 1088 Parentage Wealthy x Osborn Location 4C-2-52

Characters	Described <u>9/27</u> 19 <u>33</u>	Described 19	Described 19	Described 19
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season				
Picking date				
Size	<u>2 1/4 x 2 3/4</u>			
Shape	<u>oblate.</u>			
Color	<u>med red stripe 3/4 over green</u>			
Dots, Bloom	<u>waxy - submerged green dots.</u>			
Stem	<u>med to long - med thick.</u>			
Cavity	<u>med deep - wide flaring.</u>			
Basin	<u>med dep, wide.</u>			
Calyx and tube	<u>closed - wide funnel</u>			
Flesh color	<u>yellow.</u>			
Flesh texture	<u>med coarse - tough.</u>			
Skin	<u>med.</u>			
Flavor	<u>acid</u>			
Quality	<u>fair</u>			
Rating	<u>3X</u>			
Remarks				

APPLE. Minn. No. 1089 Location 4C - 5 - 96 Duch. x Del.

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>9/13/33</u>	19 <u>4</u>	19 <u>32 9/3</u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓		<u>8/21/34</u>	
Picking date	<u>8/22/30</u>	✓			
Size	<u>med. 2 1/2 x 2 1/2</u>		<u>2 x 2 1/4</u>	<u>2 1/8 x 2 1/16</u>	
Shape	<u>Round conic</u>	✓	<u>oblate</u>	<u>oblate</u>	
Color	<u>Greenish yellow</u>	✓	<u>yellow with orange flush</u>	✓	
Stem	<u>Long, slender</u>	✓	<u>med.</u>	✓ <u>30</u>	
Cavity	<u>med deep, wide</u>	✓	✓	✓	
Basin	<u>med. deep, med. wide</u>	✓	✓	✓	
Calyx	<u>Large closed-reflexed funnel</u>	✓	<u>small closed-open tube</u>	✓ <u>small funnel</u>	
Flesh color	<u>greenish white</u>	<u>yellow</u>	✓	✓ <u>33</u>	
Flesh texture	<u>Tough - med grain</u>	✓	<u>tough coarse</u>	✓	
Skin	<u>Thick - tough</u>	✓	✓	✓	
Flavor	<u>sub-acid</u>	✓	<u>to sweet</u>	✓ <u>33</u>	
Quality	<u>Fair 2x</u>	✓	✓	✓	<u>4x</u>
Type of	<u>small n. w. screening</u>	✓			
Rating	<u>2x</u>	✓	✓	✓	<u>att: -3x (hold)</u>

APPLE. Minn. No. 1090 Location HC-5-48 Beck. x Grimes

Characters	19 <u>20</u>	19 <u>33</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	<u>Descrif 9/3</u>			
Picking date	<u>8/22/30</u>				
Size	<u>med. 2 1/2 x 2 1/2</u>	<u>2 x 2 1/4</u>			
Shape	<u>Plum or Conic to Oblate</u>	<u>Round</u>			
Color	<u>Red stripe over l. green.</u>	<u>Spred. 1/2 over gr.</u>			
Stem	<u>med length + chevron</u>	<u>(absent)</u>			
Cavity	<u>V. deep flaring</u>	<input checked="" type="checkbox"/>			
Basin	<u>Narrow v. abrupt.</u>	<u>med deep, wide-winkled</u>			
Calyx	<u>Inv. Tube narrow med long</u>	<input checked="" type="checkbox"/>			
Flesh color	<u>l. yellow</u>	<input checked="" type="checkbox"/>			
Flesh texture	<u>med grain tough</u>	<input checked="" type="checkbox"/>			
Skin	<u>med. thick tough</u>	<input checked="" type="checkbox"/>			
Flavor	<u>sub acid</u>	<u>acid</u>			
Quality	<u>Fair x x</u>	<u>poor</u>			
Type of					
Rating	<u>x x</u>	<input checked="" type="checkbox"/>			

APPLE.

Minn. No.

1091

Location

H C - 8 - 118 ✓

Quak. x Del.

Characters	19 ³⁰	19 ³²	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer ✓				
Picking date	8/22/30	8/29/32			
Size	med. 2 1/2 x 2 5/8	2 x 2 3/4			
Shape	Oblate subangular ✓				
Color	red stripe over yellow ✓				
Stem	long heavy ✓				
Cavity	deep flange ✓				
Basin	med deep abrupt. ✓	deep wide-			
Calyx	large partly open, tube large triangular ✓				
Flesh color	greenish yellow ✓	yellow.			
Flesh texture	med tex, med juicy ✓	coarse gr.			
Skin	med thick, tough ✓				
Flavor	subacid ✓				
Quality	1st class ✓				
Type of	Wealthy ?				
Rating	xxx	3X			

APPLE. Minn. No. 1092

Location

4C-9-34King David Duch.

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>9/13/33</u>	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓			
Picking date	<u>8/22/30</u>	<u>9/9/32</u>			
Size	<u>med. 2 3/4 x 2 1/4</u>	<u>2 x 2 3/4</u>	✓		
Shape	<u>Oblate - angular</u>	<u>Round-conic</u>	✓		
Color	<u>Green with 1/2 to 3/4 red stripes</u>	✓	✓		
Stem	<u>Long - thick</u>	✓	✓		
Cavity	<u>med deep - flaring</u>	✓	✓		
Basin	<u>med deep - flaring</u>	✓	<u>wrinkled.</u>	✓	
Calyx	<u>Slightly open</u>	✓	✓		
Flesh color	<u>Green</u>	<u>yellow.</u>	✓		
Flesh texture	<u>med tough - med grain</u>	✓	✓		
Skin	<u>med thick - tough</u>	<u>thick - tough</u>	✓		
Flavor	<u>acid</u>	<u>sub-acid</u>	✓		
Quality	<u>Good 3X</u>	✓	<u>fair</u>		
Type of					
Rating	<u>2X</u>	<u>Irregular size</u>	✓		

APPLE. Minn. No.

10.93

Location

4C-9-45

King David x Deuk

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u> 9/13	19 —	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer	✓			
Picking date	8/22/30	✓			
Size	med. 2 1/2 x 2	✓	1 3/4 x 2"		
Shape	Oblate	✓	✓		
Color	Yellow- 3/4 red strip	✓	med red str. 3/4 over gr.		
Stem	Long - med thick	✓	✓		
Cavity	med deep - med wide	✓	✓		
Basin	med deep - med wide	✓	✓		
Calyx	Open - deep tube	calyx closed ^{sub} closed	✓		
Flesh color	yellow	✓	✓		
Flesh texture	tender - med grain dry	✓	coarse - med		
Skin	med thick - very tough	✓	✓		
Flavor	Good - subacid	✓	poor acid.		
Quality	Good 3x	✓	X		
Type of					
Rating	3 X	✓	X		

APPLE. Minn. No. 1094 Location 4E-14-55^v Mac.

Characters	19 <u>30</u>	19 <u>37</u> <u>9/3</u>	19 <u> </u>	19 <u> </u>	19 <u> </u>
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>				
Picking date	<u>8/22/30</u>				
Size	<u>Small. 2 3/8 x 2 3/8</u>				
Shape	<u>Round conic</u>				
Color	<u>Dark red over green.</u>				
Stem	<u>Med length thick.</u>				
Cavity	<u>Shallow broad.</u>				
Basin	<u>Narrow abrupt.</u>				
Calyx	<u>Small closed, Tube, small triangular</u>				
Flesh color	<u>Wh. white.</u>				
Flesh texture	<u>fine v. tender, dry.</u>				
Skin	<u>med thick tough</u>				
Flavor	<u>sub acid</u>				
Quality	<u>at air X X</u>				
Type of		<u>Dis</u>			
Rating	<u>X X</u>	<u>att: - 3 X</u>			
		<u>Dis</u>			

APPLE.

Minn. No. 1095

Location

4C-20

Jon. x Duch
Abalena x Del.

Characters	1930	1937 9/3	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Summer				
Picking date	8/22/30				
Size	med, 2 1/2 x 2 1/4				
Shape	Roundish-oblate				
Color	Yellow with 3/4 red stripe				
Stem	med. long - med thick				
Cavity	Deep - med wide				
Basin	Shallow - wide				
Calyx	Slightly open - shallow tube				
Flesh color	White				
Flesh texture	Tough - med grain ^{med juicy}				
Skin	Tough - med thick				
Flavor	Acid				
Quality	Fair 2X	3X			
Type of		att: - 4X small			
Rating	3X	Dis: might keep			

Jonix Duck

APPLE. Minn. No. 10 96 Location 4 C. - 24 - 49 Key David x Duck

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u> 9/13	19 <u>37</u> 9/13	19 —
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓			
Picking date	<u>8/22/30</u>	✓			
Size	<u>med. 2 1/8 x 2 3/4</u>	✓	<u>2 1/2 x 2 3/4</u>		
Shape	<u>Oblate</u>	✓	✓		
Color	<u>deep red tinge over yellow. v. attractive</u>	✓	✓		
Stem	<u>med. length. heavy.</u>	✓	<u>med</u>		
Cavity	<u>med deep, flaring</u>	<u>deep - flaring</u>	✓		
Basin	<u>med.</u>	✓	✓		
Calyx	<u>Closed, Tube v. long funnel</u>	✓	✓		
Flesh color	<u>yellowish white</u>	<u>greenish</u>	<u>yellow.</u>		
Flesh texture	<u>med grain, tender juicy</u>	<u>med juicy</u>	✓		
Skin	<u>med, thickness etc.</u>	✓	✓		
Flavor	<u>subacid</u>	<u>acid</u>	✓		
Quality	<u>Good</u>	✓	<u>poor</u>	<u>2+</u>	
Type of	<u>Jonathan</u>	✓		<u>att. - HX</u>	
Rating	<u>XXXX</u>	✓	<u>2+</u>	<u>waxy. Dis</u>	

APPLE.

Minn. No. 1097Location Jon.Jon. x Duck

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>37</u> 9/3	19	19
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>Summer</u>	✓			
Picking date	<u>8/22/30</u>	<u>8/29/32</u>			
Size	<u>2 3/4 x 2 1/2</u>	✓			
Shape	<u>Roundish-oblate</u>	✓			
Color	<u>Green with 3/4 red stripe</u>	<u>yellow with faint stripe</u>			
Stem	<u>Very long - slender</u>	<u>med.</u>			
Cavity	<u>Deep - abrupt.</u>	✓			
Basin	<u>Deep - wide</u>	✓			
Calyx	<u>Open - wide wedge</u>	✓			
Flesh color	<u>Yellow</u>	✓			
Flesh texture	<u>med. tough - med grain</u>	✓			
Skin	<u>Thin - med. tough</u>	✓			
Flavor	<u>Sub-acid</u>	✓			
Quality	<u>Good - 4X</u>	3X			
Type of					
Rating	<u>4X</u>	3X			

Dis
att: - 2XDiscardwas on a promise of full namewater

APPLE. Minn. No. 1098 Location 3 B - 6-98 Jon. x Deuk

Characters	19 <u>30</u>	19 <u>32</u>	19 <u>33</u>	19 <u>52</u>	19 <u>—</u>
Tree Vigor	9-4-52 This fruit now nearly 4 inches in 6-7-17				
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	Fall		Desert, 9/3	fall	
Picking date	9/4/30	8/29/32		9-1-52	
Size	med small 2 x 2 1/2	2 1/4 x 2 3/4	2 1/4 x 2 1/2	near 4 inches	
Shape	o oblate.	✓	✓	Truncate angular	
Color	med red str, med gr.	med. red stripe 3/4 over yellow	✓	3/4 red stripe	
Stem	short med, thick.	✓	✓	short-very	
Cavity	deep	✓ abrupt.	✓	✓	
Basin	med. wrinkled	med-ridged.	✓	✓	
Calyx	closed, tube long funnel.	✓	✓		
Flesh color	l yellow.	yellow.	✓		
Flesh texture	med grain, juicy	✓	✓ med juicy		
Skin	med.	✓	✓		
Flavor	sub acid	acid	✓		
Quality	Good XXXX	2X	✓		
Type of					
Rating	XXXX	2X	✓	4X	

was on a promising fall season
water core

APPLE. Minn. No. 1099

Location 5B-6-84⁴

Don. X Seck.

Characters	19 <u>30</u>	19 <u>32</u>	19—	19—	19—
Tree Vigor					
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>fall</u>				
Picking date	<u>9/4/30</u>	<u>8/29/32</u>			
Size	<u>med long 2³/₄ X 3</u>	<u>2¹/₄ X 2³/₄</u>			
Shape	<u>Round conical.</u>	<u>angled.</u>			
Color	<u>red str. over yellow</u>	<u>med red stripes full str. over yellow.</u>			
Stem	<u>med.</u>	<u>med - stout</u>			
Cavity	<u>v. deep flaring</u>	<u>deep - abrupt.</u>			
Basin	<u>deep abrupt, flaring</u>	<u>deep - wide abrupt.</u>			
Calyx	<u>closed, tube med long triangular</u>	<u>funnel</u>			
Flesh color	<u>sl. yellow.</u>	<u>yellow</u>			
Flesh texture	<u>tough fine grain.</u>	<u>tough - coarse</u>			
Skin	<u>med.</u>	<u>med - tough</u>			
Flavor	<u>unacid</u>	<u>✓</u>			
Quality	<u>fair xx</u>	<u>✓</u>			
Type of	<u>melinda</u>				
Rating	<u>xxx</u>	<u>✓</u>			

in order to prevent any full maturity water care

See also next page

APPLE. Minn. No. 1099 Jonathan x blanchard Location 5-B-6-84 51-14-18, 21

Characters	19 <u>30</u>	19 <u>9/13/43</u>	19 <u>49</u> <u>9/9</u>	19 <u>25</u> <u>50</u>	19 <u>52</u>
Tree Vigor					<u>51-14-18</u>
Form					
Productivity					
Disease					
Hardiness					
Fruit Season	<u>fall</u>	<u>fall</u>	<u>fall</u>	<input checked="" type="checkbox"/>	
Picking date	<u>9/9/30</u>	<u>9/6/43</u>	<u>8/25/49</u>		<u>9/5/52</u>
Size	<u>2 1/8 x 2 5/8</u>	<u>2 1/2 x 3 large</u>	<u>2 3/4 x 2 1/4</u>	<u>3 x 2 3/4</u>	<u>large</u>
Shape	<u>oblate conic</u>	<input checked="" type="checkbox"/>	<u>irregular</u>	<u>oblate conic</u>	<u>conic irreg</u>
Color	<u>reddish, 3/4 over yellow</u>	<u>heavy solid (very dark red) (rather yellow)</u>	<u>DARK RED 3/4 over YELLOW STRIPING</u>	<u>red bluish over yellow</u>	<u>full red</u>
Stem	<u>med length heavy</u>	<input checked="" type="checkbox"/>	<u>MED. THICK 3/4"</u>	<u>med long thick</u>	<input checked="" type="checkbox"/>
Cavity	<u>med deep</u>	<u>Very deep, wide</u>	<u>DEEP, ACID FE</u>	<u>deep cut, abrupt</u>	<input checked="" type="checkbox"/>
Basin	<u>med. v irreg.</u>	<u>flattish slightly</u>	<u>medium shallow</u>	<u>med. deep, abrupt</u>	<input checked="" type="checkbox"/>
Calyx	<u>closed, Tube</u>	<u>medium, 5 pointed</u>	<u>abrupt corrugated</u>	<u>very ribbed</u>	<input checked="" type="checkbox"/>
Flesh color	<u>Yellow</u>	<input checked="" type="checkbox"/>	<u>Yellow</u>	<input checked="" type="checkbox"/>	
Flesh texture	<u>med g. & lax</u>	<u>fine grained, firm</u>	<u>crisp</u>	<u>juicy, med grain.</u>	
Skin	<u>med.</u>	<u>tender, med firm</u>	<u>Tender juicy</u>	<u>firm</u>	
Flavor	<u>sub.</u>	<u>thin, med tough</u>	<u>Thin Tough</u>	<u>tender</u>	
Quality	<u>Good x x x</u>	<u>mild acid to suba</u>	<u>Pleasant Acid</u>	<u>med. acid, pleasant</u>	
Type of		<u>pleasant</u>			
Rating	<u>X X</u>	<u>good 4/5</u>	<u>4 x 10</u>	<u>3x</u>	<u>3x</u>
		<u>4x</u>	<u>4 x</u>	<u>3x</u>	
		<u>watch, a promising fall name</u>	<u>water core</u>		

APPLE. Minn. No. 1099

Parentage *Jonathan x Bluchers* Location _____

Characters	Described <u>9/24/52</u> <i>located 6/27/19</i>	Described _____ 19____	Described _____ 19____	Described _____ 19____
Tree Vigor				
Form				
Productivity				
Disease				
Hardiness				
Fruit Season	<i>Fall</i>			
Picking date	<i>late sample picked 9/24/52</i>			
Size	<i>up to 3"</i>			
Shape	<i>Round conic</i>			
Color	<i>very dark rich mahogany red, 5x</i>			
Dots, Bloom	<i>dots small, russet on green blow heavy</i>			
Stem	<i>oned</i>			
Cavity	<i>Very deep, acuminate</i>			
Basin	<i>deep abrupt oned well</i>			
Calyx and tube	<i>pruned</i>			
Flesh color	<i>yellowish stained red</i>			
Flesh texture	<i>med coarse, med tough, crisp juicy,</i>			
Skin	<i>thick tough</i>			
Flavor	<i>pleasant, snappy tart.</i>			
Quality	<i>good 4x</i>			
Rating	<i>4x+</i>			
Remarks	<i>9+ hangs well and these specimens should have been picked a week earlier. Top quality for sauce, high flavor an pleasantly tart. Wtd. 9/24/52</i>			

I.P.
RING BINDER
Patented Dec. 20, 1904
Dec. 12, 1905
No. 1700
IRVING-PITT MFG. CO.
KANSAS CITY, MO.

