

SUMMARY OF CULTURAL MANAGEMENT PRACTICES UTILIZED FOR PRODUCTION OF ADVANCED SELECTIONS

2000 GROWING SEASON

Compiled by
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CLONE: AC87079-3

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/12	9/1	9/20	103-142-127-68S-2Zn-15Mg-1B-30SO4	34"	11"	As needed	Dual	Provado, AsanaXL	Manzate75, Kodicide, RidomilEC, Supertin, Quadris	397

Disease Reactions Noted:

Votes: Discard

Other Comments: Potential low yield, no middle size (either large or small), nice tuber shape

COMPARISON RATINGS

Characteristic	Comparison Clone	
	R. Nugget	Keystone R.
Stand	S	S
Emergence Uniformity	S	S
Vine Vigor	F	S
Tuber Type	G	G
Tuber Size	F	F
Uniformity of Tuber Size	F	F
Grade Defects	S	G
Skin Set @ Harvest	G	G

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: AC87084-3

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
	7/27	8/21	80-200-0	34"	12"	0.7" @ 3-4 days	Dual/Sencor	Provado	3 apps. - EBDC's	284
5/15	8/11	9/25-29	2.5T/A compost	34"	8"	As needed				530, 300

Disease Reactions Noted: mosaic, blackleg

Votes: Test again, discard

Other Comments: liked the vine structure, in crates and therefore haven't evaluated yet. No disease resistance. No market for russet varieties.

COMPARISON RATINGS

Characteristic	Comparison Clone
Stand	
Emergence Uniformity	
Vine Vigor	
Tuber Type	
Tuber Size	
Uniformity of Tuber Size	
Grade Defects	
Skin Set @ Harvest	

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: AC87138-4

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
	8/22	9/20	170 N (compost tea applied every other irrigation)	32-36"	10"	ET - peak 0.7" @ 2.5 days	Eptam/Sencor	Provado		250
4/25	Not used	9/18	138-140-97-119S-2Zn-15Mg-29SO4	34"	11"	As needed	Eptam/Sencor	Provado, AsanaXL	Manzate75, Kocide, RidomilEC, Supertin, Quadris	450

Disease Reactions Noted: Lots of LR and mosaic, unsure if real susceptible or just a problem lot.

Votes: Discard, Discard or test again

Other: Nice tuber shape, reasonable yield potential, tuber size extra large or small (no middle).

COMPARISON RATINGS

Characteristic	Comparison Clone	
	R. Nugget	Keystone R.
Stand	F	F
Emergence Uniformity	SF	F
Vine Vigor	F	P
Tuber Type	SF	G
Tuber Size	F	P
Uniformity of Tuber Size	SF	P
Grade Defects	F	S
Skin Set @ Harvest	G	G

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: BCO894-2

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/10	8/10	9/21	103-142-127-68S-2Zn-15Mg-1B-30SO4	34"	8.5"	As needed	Eptiam/Sencor	Provado, Pounce	Manzate75, Kocide, RidomilEC, Supertin, Quadris	409

Disease Reactions Noted: small amount of blackleg

Votes: Due to high interest in international markets vote to Name!

Other Comments:

COMPARISON RATINGS

Characteristic	Comparison Clone	
	Chipeta	Atlantic
Stand	G	S
Emergence Uniformity	S	G
Vine Vigor	S	G
Tuber Type	G	G
Tuber Size	G	G
Uniformity of Tuber Size	G	G
Grade Defects	G	G
Skin Set @ Harvest	G	S

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: Fremont Russet
(CO85026-4)

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
	7/27		80-200-0	34"	12"	0.7" @ 3-4 days	Dual/ Sencor	Provado	EBDC's	130
4/25	Not used	9/15	138-140-97- 119S-2Zn- 15Mg-29SO4	34"	11"	As needed	Eptam/ Sencor	Provado, AsanaXL	Manzate75, Kocide, RidomilEC, Supertin, Quadris	505
5/15	8/11	9/25-29	2.5T/A compost	34"	8"	As needed				250

Disease Reactions Noted: PVY, Mosaic
Votes: Test again, Named Fremont!

Other: In crates, so have not evaluated yet. Air checking, alligator hide and swollen lenticels (can eliminate if handled properly). Not impressed

COMPARISON RATINGS

Characteristic	Comparison Clone	
	R. Nugget	Keystone R.
Stand	G	S
Emergence Uniformity	S	S
Vine Vigor	S	S
Tuber Type	E	E
Tuber Size	E	E
Uniformity of Tuber Size	E	E
Grade Defects	G	S
Skin Set @ Harvest	G	G

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: Durango Red
(CO86218-2)

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
	8/26	9/9	~160-150-100 (applied as Compost and compost tea)	32-36"	10"	ET - peak 0.7" @ 2.5 days				280
	7/27		80-200-0	34"	12"	0.7" @ 3-4 days	Dual/ Sencor	Provado	EBDC's	66.6
4/29	8/11	9/14	127-154-2- 65S-3Zn-1B	34"	8.75"	As needed	Eptam/ Sencor	Manzate75, Kocide, RidomilEC, Supertin, Quadris	Provado, Pounce	408
5/15	8/11	9/25-29	2.5T/A compost	34"	8"	As needed				250

Disease Reactions Noted: Susceptible to blackleg. Blackleg

Votes: Named, test again, Named Durango Red! Named

Other Comments: light hail in June, would like to see larger vine, awfully small vine... weeds could be a problem; Low potential yield, thick skin-dark red. A hailstorm early produced >5% blackleg while other varieties in same strip were unaffected. Nice red color. Skin needs to be more smooth/waxy (would improve marketability). May not work outside of SLV or without H2SO4 for vine kill because of slow stolon break down (detachment problems).

COMPARISON RATINGS

Characteristic	Comparison Clone	
	Sangre	Cherry Red
Stand	Sangre	Sangre II
Emergence Uniformity	S	S
Vine Vigor	P	S
Tuber Type	G	G
Tuber Size	F	G
Uniformity of Tuber Size	GS	G
Grade Defects	G	G
Skin Set @ Harvest	E	G

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: CO89097-2

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/12	8/25	9/21	103-142-127-68s-2Zn-15Mg-1B-30SO4	34"	8.75"	As needed	Dual	Provado, AsanaXL, Pounce	Manzate75, Kocide, RidomilEC, Supertin, Quadris	480
5/15	8/11	9/25-29	2.5T/A compost	34"	8"	As needed				

Disease Reactions Noted: Susceptibility to powdery scab seems low. None

Votes: Test Again, Test Again

Other Comments: Oval or oblong like Cherry Red. Yield potential good. Only 150 nuclear tubers panted. Red color seems good.

COMPARISON RATINGS

Characteristic	Comparison Clone	
	Cherry Red	Sangre11
Stand	G	S
Emergence Uniformity	S	S
Vine Vigor	S	S
Tuber Type	S	F
Tuber Size	S	S
Uniformity of Tuber Size	S	S
Grade Defects	G	G
Skin Set @ Harvest	G	G

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CLONE: TXNS296

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/7	8/7	9/7	150-180-220-30	34"	10"	ET	Dual	Fulfill, Pounce	Bravo Weatherstik, Polyram, Supterin	310
5/8	8/16	9/13	140-150-100-90S-1Zn	34"	12"	0.65" at 2.5 days	Cultivate	Provado	Manex, Ridomil Gold, Bravo Weatherstik	460
5/8	8/17	9/13	140-150-100-90S-1Zn	34"	12"	0.65" at 2.5 days	Cultivate	Provado	Manex, Ridomil Gold, Bravo Weatherstik	405

Disease Reactions Noted: mosaic

Votes:

Other Comments:

COMPARISON RATINGS

Characteristic	Comparison Clone	
	TXNS278	TXNS223
Stand	S	S
Emergence Uniformity	S	S
Vine Vigor	S	S
Tuber Type	G	F
Tuber Size	G	S
Uniformity of Tuber Size	S	S
Grade Defects	E	S
Skin Set @ Harvest	S	S

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CLONE: NDC4438-1

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/26	8/29	9/18	4 t/a compost	34"	10"					315
5/15	8/11	9/25-29	2.5 t/a compost	34"	8"	As needed				

Disease Reactions Noted: None

Votes: discard, Tested Again

Other Comments: poor luck storing...soft rot. Red fleshed specialty. Has a big dry rot problem in storage and should not be harvested until >25 days after vine kill.

COMPARISON RATINGS

Characteristic	Sangre	Comparison Clone
Stand	S	
Emergence Uniformity	S	
Vine Vigor	S	
Tuber Type	F	
Tuber Size	F	
Uniformity of Tuber Size	F	
Grade Defects	P	
Skin Set @ Harvest	F	

E = Excellent, G = Good, S = Same, F = Fair, P = Poor

CLONE: NDTX8-731-1R

Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/15	8/11	9/25-29	2.5 t/a compost	34"	8"	As needed				200

Disease Reactions Noted: None, Mosaic in past

Votes: Discard

Other Comments: Gets too big. Has a hollow heart problem. Works well in California

CLONE: W84-75R

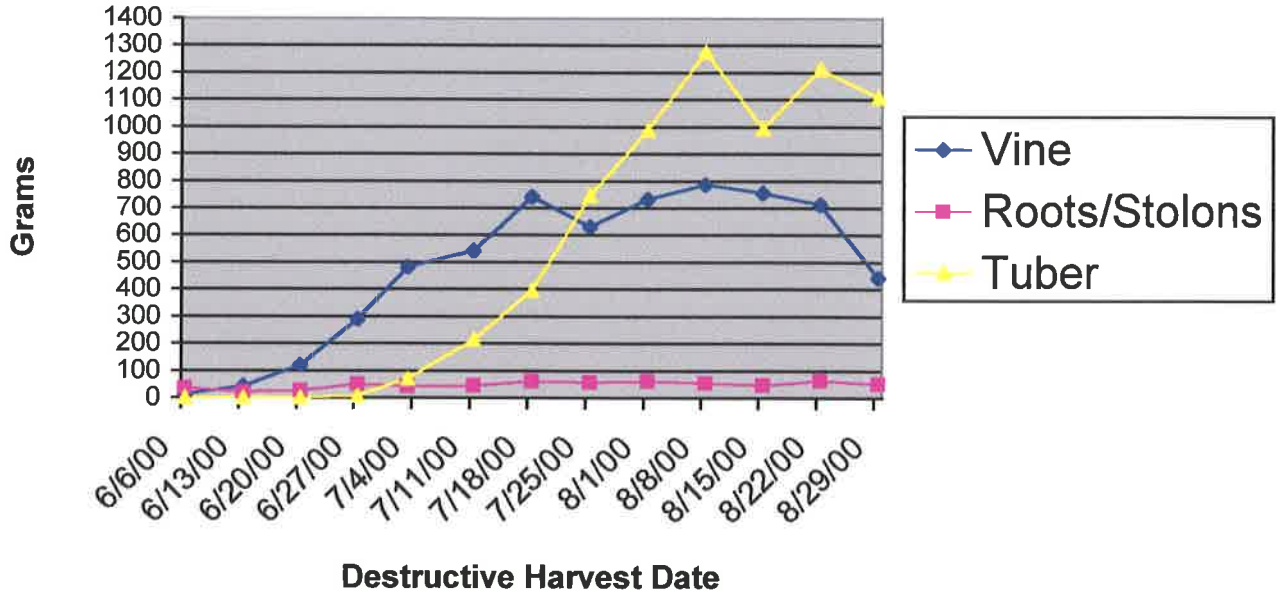
Plant	Vine Kill	Harvest	Fertility	Row Spacing	W/in Row Spacing	Irrigation	Weed Control	Insect Control	Fungicide Use	Yield cwt./a
5/15	8/11	9/25-29	2.5 t/a compost	34"	8"	As needed				300-350

Disease Reactions Noted: None

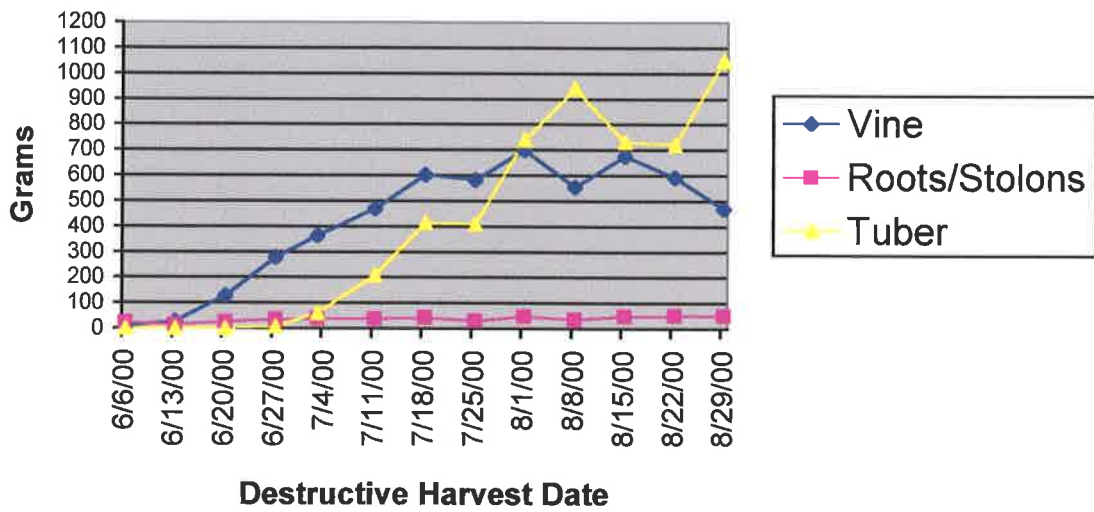
Votes: Named

Other Comments: High yield of small potatoes (75% B size @ \$20/cwt => profit). Fairly good red color. Does not show russetting like other red varieties.

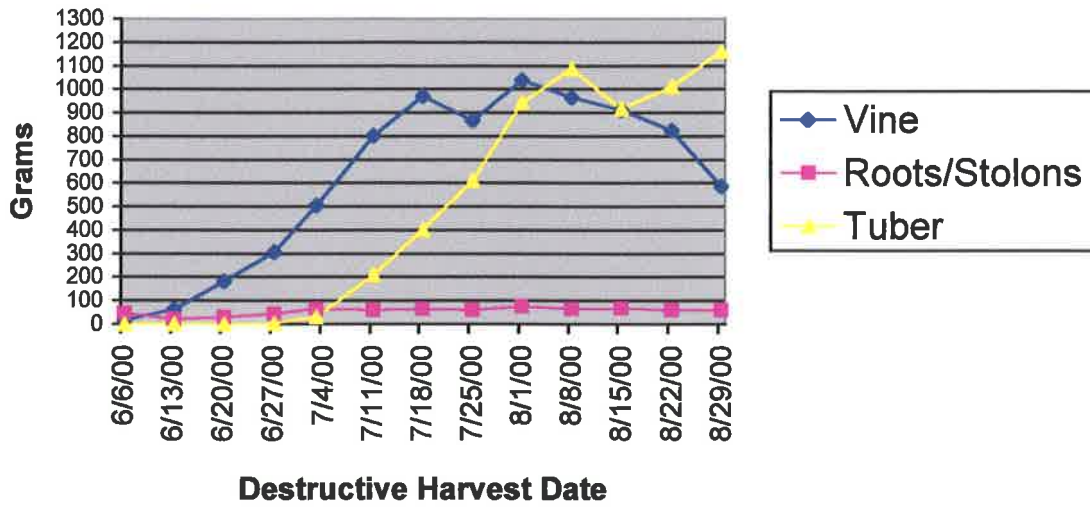
Keystone Russet Development



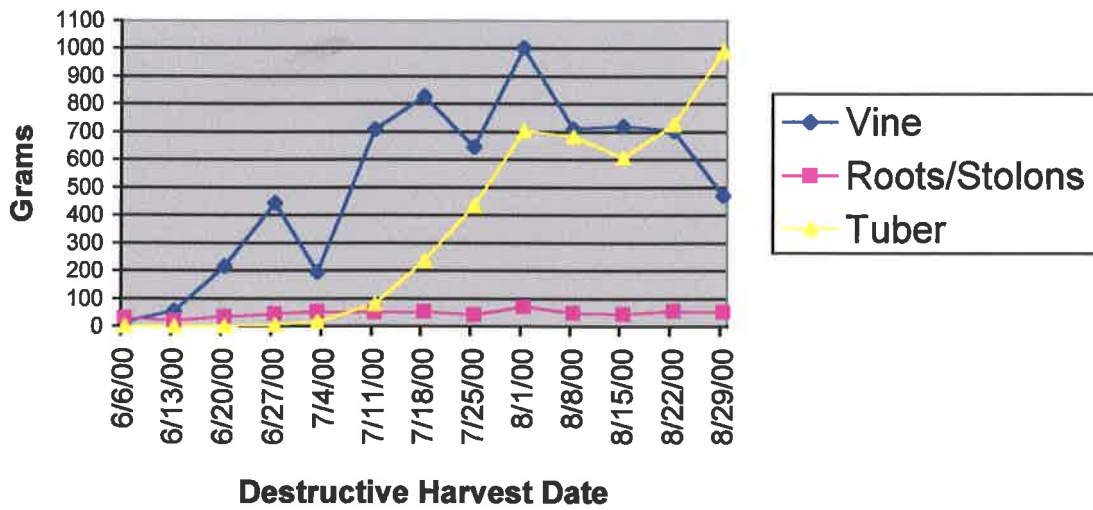
CO85026-4 Development



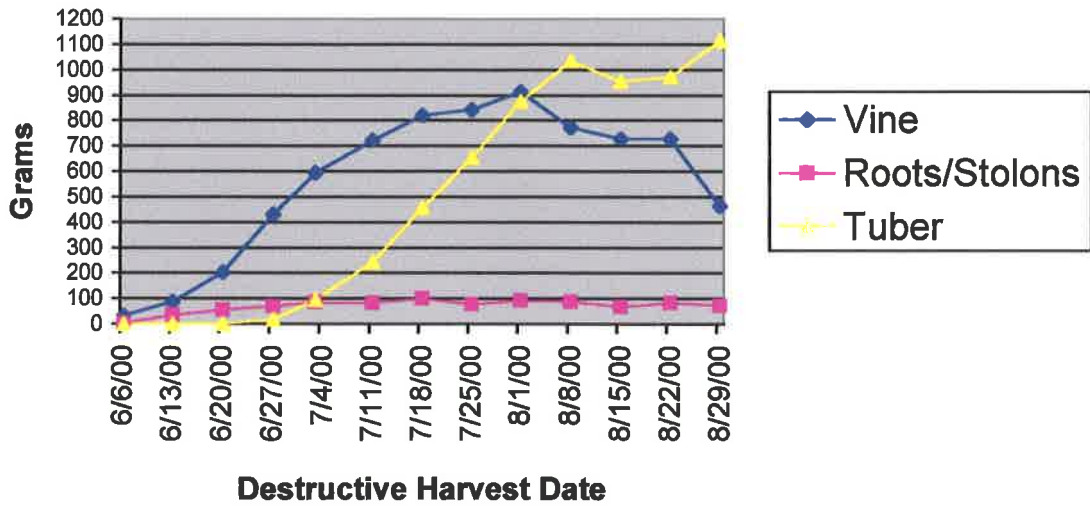
AC87084-3 Development



AC87079-3 Development



AC87138-4 Development



CO89036-10 Development

