# Appendix 3- Market Garden Variety Trial Results 2007-2009

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Carrot**

**2007**

**Homedale, Idaho – Market Garden (Moriah Farm) of Jonathan Demcak (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Atomic Red | Med-High | Very poor | Red color, long, thin, pointed, fuzzy root hairs | Nice color but that’s all, poor quality, tough, woody, bitter |
| Purple Haze | Medium | Fair | Purple skin, orange center, long, pointed | OK flavor, woody core, can’t be peeled without losing color |
| Cosmic Purple | Med-high | Excellent | Bright purple skin, small orange core, long, pointed | Uniform, excellent flavor, better color than Purple Haze, a favorite |
| Scarlet Nantes | Medium | Good | Orange throughout, long and blunted | Uniform, sharp carrot flavor, occasionally bitter |
| Lunar White | Low | Poor | White throughout, long and thin, fuzzy root hairs | Overall poor carrot, woody, bitter, can add color to displays |
| Nantindo | Med-high | Good | Orange throughout, long and blunted | Good standard carrot, good flavor, not woody |
| Bolero | High | Excellent | Orange throughout, long and blunted | Our favorite carrot, uniform, flavorful, never bitter or woody |
| Parmex | Med-low | Fair | Orange throughout, short and globular | Fair productivity, OK flavor, limited marketability |
| Mellow Yellow | Med-high | Good | Yellow throughout, long, narrow, pointed | Good strong carrot flavor, adds color to displays, very marketable |
| Little Fingers | Medium | Fair | Orange throughout, thin, medium long, pointed | Misshapen, tender, bland flavor, not very pretty, limited appeal |

Market quality and comments are based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Carrot**

**2007**

**Parma, Idaho – UI Parma Research and Extension Center (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Atomic Red | Low | Excellent | Red color, long, thin, pointed | Favorite for taste and texture |
| Purple Haze | Med-high | Good | Purple skin, orange center, long, pointed | Rated as the best carrot for external appearance |
| Cosmic Purple | Med-high | Good | Bright purple skin, small orange core, long, pointed | No ratings for flavor or appearance |
| Scarlet Nantes | Medium | Good | Orange throughout, long and blunted | No ratings for flavor or appearance |
| Lunar White | Med-high | Fair | White throughout, long and thin, fuzzy root hairs | No ratings for flavor or appearance |
| Nantindo | High | Good | Orange throughout, long and blunted | No ratings for flavor or appearance |
| Bolero | Medium | Good | Orange throughout, long and blunted | No ratings for flavor or appearance |
| Parmex | Medium | Fair | Orange throughout, short and globular | No ratings for flavor or appearance |
| Mellow Yellow | Medium | Good | Yellow throughout, long, narrow, pointed | No ratings for flavor or appearance |
| Little Fingers | Medium | Fair | Orange throughout, thin, medium long, pointed | No ratings for flavor or appearance |

Production ratings and comments are based on grower observations. Market quality and comments were based on a blind taste test among Center employees.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Cucumber**

**2007**

**Homedale, Idaho – Market Garden (Moriah Farm) of Jonathan Demcak (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Black Usbeck | Med-High | Poor | Moderately long, fat, dark green color | Good producer, ripened too fast to pick properly, hard to market, eventually pull out all but one plant |
| Munchmore | Med-high | Excellent | Moderately long, narrow, dark green color | Consistent size, variable shape, heavy producer, second-best seller behind Suyo-Long , stores for a week |
| Suyo-Long | High | Excellent | Very long, thin, curved, medium green color | Best producer, ripened fast, stores poorly, sells extremely well at the farmer’s market |
| Lemon | Med-high | Good | Oval shape, yellow color | Long production period, very uniform, sells very well, stores up to 4 days, lower profit margin |
| Tasty Green | Medium | Good | Long, straight, very dark green color | Good variety for the standard English market, stores for over a week, sold well for wholesale |
| Straight Eight | Medium | Fair | Pickling type, short, fat, light green color, black spines | Non-uniform for shape, moderate production, needs frequent picking, limited marketability |
| Sweet Success | Low | Poor | Long, moderate width, slightly curved, dark green color | Appearance varied widely, not very attractive, flavor marginal, did not sell well, stores for 3 days |
| Daytona | Med-high | Excellent | Long, moderate width, slightly curved, dark green color | Extremely uniform, beautiful, moderately productive, stores for 1 week, sold very well |
| White Wonder | Low | Fair | Short, fat, white to light green color | Non-uniform size, some blemishes, quick to ripen, stores up to 2 weeks, not a big seller, niche market |

Market quality and comments are based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Cucumber**

**2007**

**Parma, Idaho – UI Parma Research & Extension Center (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Black Usbeck | Med-high | Fair  | Moderately long, fat, dark green  |  Not rated for flavor or appearance |
| Munchmore | Med-high | Good | Moderately long, narrow, dark green  |  High ratings for flavor and texture, split response for “will-buy” |
| Suyo-Long | Med-high | Good | Very long, thin, curved, medium green  |  Not rated for flavor or appearance |
| Lemon | Med-high | Good | Oval shape, yellow  |  Later maturity, good flavor, strong “no-buy” response, unique type |
| Tasty Green | Medium | Good | Long, straight, very dark green  |  Not rated for flavor or appearance |
| Straight Eight | Medium | Good | Pickling type, short, fat, light green, black spines |  OK flavor ratings, majority of panelists ranked as “not-buy” |
| Sweet Success | High | Good | Long, moderate width, slightly curved, dark green  |  Good flavor ratings, mixed response for customer purchase preference |
| Daytona | Med-high | Good | Long, moderate width, slightly curved, dark green  | Rated high in Center tests, very low in school panel (tough, bitter skin) |
| White Wonder | Med-high | Fair | Short, fat, white to light green  |  Later maturity, excellent flavor ratings, poor purchase response |
| Marketmore | Medium | Fair | Long, straight, medium width, dark green  | Later maturity, OK flavor, small majority of “not-buy” ratings |

Production ratings and comments are based on grower observations. Market quality and comments were based on a blind taste test among Center employees and by a sensory panel at Lowell Scott Middle School.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Pepper**

**2007**

**Meridian, Idaho – Market Garden (Spyglass Gardens) of Steve Smith (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Roumanian Rainbow | High | Excellent | Bell type, blocky, white maturing to red, med-size | Ready for market early, sweet flavor, excellent market acceptance |
| Marconi | Med-high | Excellent | Sweet type, elongated, mature purple, med-large | Excellent producer, a farm favorite, best stuffing pepper, sells well |
| Gigantia Jalapeno | High | Good | Hot type, long-pointed, green, large for its type | Large for a hot type, very prolific, marketable |
| Jupiter | Medium | Fair | Bell type, blocky, red when mature, med-size | Late maturity, does not develop mature color, less marketable |
| Sweet Cayenne | Med-low | Excellent | Sweet type, very long, red when mature, med-small | Very mildly hot, fun and tasty, customers like this pepper |
| Mavras | Med-high | Good | Bell type, blocky, purple when mature, large size | Did not develop mature color, worth another try |
| Big Jim | Medium | Fair | Mildly hot, elongated, red when mature, small-med | Good flavor but medium-hot, good for grilling, OK marketability |
| Early Niagara Giant | Med-low | Fair | Bell type, blocky, red when mature, med-small | Smaller and less customer appeal than Red Knight |
| Valencia | Medium | Good | Bell type, short-blocky, yellow-orange, med-large | Most did not express mature color, not as good as Roumanian Rainbow |
| Chocolate Bell | Low | Poor | Bell type, blocky, brown when mature, small size | Typical bell type but small and not very pretty, poor market quality |
| Holy Mole | Med-high | Fair | Mildly hot, long, brown when mature, med-small | Tastes like Poblano, good for frying, OK market appeal |
| Red Knight | Med-high | Excellent | Bell type, blocky, red when mature, med-large | Big and tasty, high level of market acceptance, sells well when red |
| Super Heavyweight | Med-high | Excellent | Bell type, elongated, yellow when mature, large | Excellent size and flavor, very good market acceptance, farm staple |
| Yellow Bell II | Med-high | Good | Bell type, blocky, yellow when mature, med-small | Good pepper variety, markets well when mature yellow, productive |
| Chinese Giant | Medium | Fair | Bell type, elongated, dark red, large size | OK performer, grower and customers liked Red Knight better. |

Market quality ratings and comments were based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Pepper**

**2009**

**Meridian, Idaho – Market Garden (Spyglass Gardens) of Steve Smith (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Roumanian Rainbow | High | Excellent | Bell type, blocky, white maturing to red, med-size | Customer favorite, sweet flavor, good producer |
| Marconi | Med-high | Excellent | Sweet type, elongated, mature purple, med-large | Good producer, customer favorite, sells well, good yield |
| Gigantia Jalapeno | High | Good | Hot type, long-pointed, green, large for its type | Large for a hot type, marketable, small plants but good yield |
| Jupiter | Medium | Fair | Bell type, blocky, red when mature, small size | Lower market appeal, did not develop mature color, small in 2009 |
| Mavras | Medium | Good | Bell type, blocky, purple when mature, large size | Performed OK, not as productive in 2009 |
| Big Jim | Med-high | Good | Mildly hot, elongated, red when mature, med-small | Good roaster, good producer, very pretty red color |
| Early Niagara Giant | Med-low | Poor | Bell type, blocky, red when mature, med-small | Did not yield well in 2009, small and poor customer appeal |
| Valencia | Medium | Fair | Bell type, short-blocky, yellow-orange, small | OK performance, small this year, tended to sunburn |
| Chocolate Bell | Low | Poor | Bell type, blocky, brown when mature, small size | Typical bell type but small and not very pretty, poor market quality |
| Holy Mole | Med-high | Excellent | Mildly hot, long, brown when mature, med-small | Good producer, good roaster, customer favorite |
| Red Knight | Med-high | Excellent | Bell type, blocky, red when mature, med-large | Big and tasty, markets best in late September when red |
| Super Heavyweight | Med-high | Excellent | Bell type, elongated, yellow when mature, large | Good producer, nice sized fruit, very good market acceptance |
| Yellow Bell II | Med-high | Fair | Bell type, blocky, yellow when mature, medium | Performed OK, some very nice bells but many had sunburn |
| Chinese Giant | Medium | Good | Bell type, elongated, dark red, large size | OK performer, nice sized fruit, good customer appeal |
| Biscayne | Med-high | Fair | Bell type, long, light yellow, med-large | Similar to Blushing Beauty, good size, pale color, OK appeal |
| Bianca | Med-high | Excellent | Bell type, blocky, white matures orange, med size | Good producer, customer favorite with good market appeal |
| Ivory | Med-high | Medium | Bell type, blocky, white matures yellow, med size | Good flavor, good produce, good customer acceptance |
| Whitney | Med-high | Good | Bell type, elongated, white matures red, med size | Good flavor, good produce, good customer acceptance |
| Blushing Beauty | Medium | Good | Bell type, blocky, white matures red, medium size | Good flavor, good produce, good customer acceptance |
| Lipstick | Med-high | Good | Pimento type, pointed, matures red, med-small | Good flavor, small plants w/ lots of fruit, good for salads |
| Guantanamo | Medium | Excellent | Cubanelle type, tapered, lime green, med-large | Best stuffing pepper, mild taste, customer favorite |

Market quality ratings and comments were based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Pepper**

**2007**

**Weiser, Idaho – Market Garden of Mike Stanton (Long-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Marconi | Med-high | Excellent | Bell type, elongated, red when mature, med. large | Late maturity, outstanding flavor, attractive, very marketable |
| Gigantia Jalapeno | Medium | Excellent | Hot type, long-pointed, green, large for its type | Late maturity, popular in the hot pepper market, sells well |
| Jupiter | Medium | Good | Bell type, blocky, red when mature, med. Size | Late maturity, smooth and attractive, good for the standard sweet market |
| Sweet Cayenne | Med-low | Medium | Sweet type, very long, red when mature, med-small | Medium maturity, attractive, good for the specialty market |
| Mavras | Med-high | Good | Bell type, blocky, purple when mature, med size | Medium-early, good flavor, sells well both green and brown (mature) |
| Big Jim | Medium | Poor | Mildly hot, elongated, red when mature, small-med | Medium early, smooth, doesn’t sell well, doesn’t fit market expectations |
| Early Niagara Giant | Med-low | Fair | Bell type, blocky, red when mature, med-small | Early maturity, smooth, not as attractive, less marketable |
| Valencia | Medium | Good | Bell type, short-blocky, yellow-orange, med-large | Medium maturity, good flavor when mature, sells well |
| Chocolate Bell | Low | Excellent | Bell type, blocky, brown when mature, med size | Medium maturity, OK flavor, sells well either green or mature |
| Holy Mole | Med-high | Poor | Mildly hot, long, brown when mature, med-small | Medium late maturity, tough sell due to excess hotness at maturity |
| Red Knight | Med-high | Excellent | Bell type, blocky, red when mature, med-large | Med-late maturity, good flavor, attractive, outstanding appeal |
| Super Heavyweight | Medium | Excellent | Bell type, elongated, yellow when mature, large | Late maturity, excellent flavor, high marketable, one of the best |
| Yellow Bell II | Med-low | Good | Bell type, blocky, yellow when mature, med-small | Medium maturity, very attractive with good flavor when mature |
| Chinese Giant | Medium | Good | Bell type, elongated, dark red, medium size | Medium maturity, develops color early, nice appearance |

Market quality ratings are based on grower observations. Comments on flavor and marketability are based on evaluations completed by the Fruitland High School FFA class (20 students, 8 adults).

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Pepper**

**2008**

**Weiser, Idaho – Market Garden of Mike Stanton (Long-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Gigantia Jalapeno | Medium | Excellent | Hot type, long-pointed, green, large for type | Late maturity, popular in the hot pepper market, easy to sell |
| Marconi | High | Excellent | Bell type, elongated, red when mature, med-large | Medium-late maturity, very attractive, very marketable |
| Roumanian Rainbow | Medium | Fair | Bell type, oblong, white maturing to red, med size | Medium-early, unusual color, doesn’t attract customers as well |
| Mavras | Med-high | Excellent | Bell type, blocky, purple when mature, med. Size | Medium-early, good producer, good seller both green and mature |
| Sweet Cayenne | Med-low | Medium | Sweet type, very long, red when mature, med-small | Medium maturity, attractive, good for the specialty market |
| Jupiter | Medium | Good | Bell type, blocky, red when mature, med. Size | Late maturity, smooth and attractive, dependable for the standard market |
| Early Niagara Giant | Medium | Medium | Bell type, blocky, red when mature, med-small | Early maturity, mixed market results, flavor best when fully mature |
| Big Jim | Medium | Fair | Mildly hot, elongated, red when mature, small-med | Medium early, smooth, doesn’t attract the hot or the bell customers |
| Chocolate Bell | Medium | Excellent | Bell type, blocky, brown when mature, med size | Medium maturity, popular in the market, sell green or mature |
| Valencia | Medium | Good | Bell type, short-blocky, yellow-orange, med-large | Medium maturity, very attractive, unique color, sell when mature |
| Holy Mole | Med-high | Poor | Mildly hot, long, brown when mature, med-small | Medium late maturity, hard to sell, too hot when mature |
| Super Heavyweight | Medium | Excellent | Bell type, elongated, yellow when mature, large | Late maturity, attractive, among the best for the specialty market |
| Red Knight | Medium | Excellent | Bell type, blocky, red when mature, med-large | Med-late maturity, attractive, very good customer appeal |
| Chinese Giant | Low | Good | Bell type, elongated, dark red, medium size | Medium maturity, develops color early, sells green or mature |
| Yellow Bell II | Medium | Good | Bell type, blocky, yellow when mature, med-small | Medium maturity, OK shape and appearance, sell when mature |

Market quality and comments are based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Pepper**

**2009**

**Weiser, Idaho – Market Garden of Mike Stanton (Long-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Yellow Bell | Low | Fair | Bell type, blocky, yellow when mature, med-small | Medium maturity, OK appearance, sells best when mature |
| Ivory | Med-high | Medium | Bell type, blocky, white matures yellow, med size | Medium early, OK flavor, needs education and market development |
| Whitney | Med-high | Good | Bell type, elongated, white matures red, med size | Early maturity, good subject for the specialty pepper market |
| Blushing Beauty | Medium | Excellent | Bell type, short blocky, yellow matures red, small | Med-late maturity, attractive, very marketable |
| Super Heavyweight | Medium | Excellent | Bell type, elongated, yellow when mature, large | Medium maturity, excellent flavor, among best for market appeal |
| Gigantia Jalapeno | Medium | Good | Hot type, long-pointed, green, large for type | Late maturity, one of the best for the hot pepper market |
| Marconi | High | Excellent | Bell type, elongated, red when mature, med-large | Medium-late maturity, very attractive, great for specialty market |
| Roumanian Rainbow | Med-low | Fair | Bell type, oblong, white maturing to red, med size | Medium-early, poor flavor, fair market appeal |
| Mavras | Med-high | Excellent | Bell type, blocky, purple when mature, med. Size | Medium-early, attractive, OK flavor, sells very well green or mature |
| Lipstick | Med-low | Excellent | Pimento type, pointed, matures red, med-small | Early, attractive, outstanding flavor, appealing but needs marketing |
| Jupiter | Medium | Good | Bell type, blocky, red when mature, med. Size | Late maturity, attractive, OK flavor, sells well when green |
| Early Niagara Giant | Medium | Fair | Bell type, blocky, red when mature, med-small | Early maturity, smooth, attractive, good flavor only when mature |
| Big Jim | Medium | Fair | Mildly hot, elongated, red when mature, small-med | Medium late, smooth, attractive, hard to sell due to pungency |
| Chocolate Bell | Medium | Excellent | Bell type, blocky, brown when mature, med size | Medium-late, attractive, good flavor, sells well green or mature |
| Valencia | Med-high | Good | Bell type, short-blocky, yellow-orange, med-large | Medium maturity, attractive, good flavor when mature, markets well |
| Bianca | Med-high | Poor | Bell type, blocky, white matures orange, med size | Medium early, tends to sunburn, hard to sell |
| Red Knight | Med-high | Excellent | Bell type, blocky, red when mature, med-large | Med-late maturity, attractive, very good flavor, excellent market appeal |
| Chinese Giant | Medium | Good | Bell type, elongated, dark red, medium size | Med-late maturity, develops color early, sells well green or mature |
| Holy Mole | Med-high | Fair | Mildly hot, long, brown when mature, med-small | Medium late maturity, hard sell, very hot when mature |
| Biscayne | High | Fair | Bell type, long, light yellow, med-small size | Late maturity, attractive, light color makes it hard to sell |

Market quality, comments, and flavor ratings are based on grower notes and on panel evaluations completed by the Weiser Ladies Sorority.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Pepper**

**2007**

**Parma, Idaho – UI Parma Research & Extension Center (Long-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Marconi | Med-high | Good | Bell type, elongated, red when mature, med-large | Not rated for flavor or appearance |
| Gigantia Jalapeno | Med-high | Excellent | Hot type, long-pointed, green, large for its type | Considered the most attractive variety in the trial |
| Jupiter | Meidum | Good | Bell type, blocky, red when mature, med. size | Not rated for flavor or appearance |
| Sweet Cayenne | Medium | Medium | Sweet type, very long, red when mature, med-small | Not rated for flavor or appearance |
| Mavras | Med-low | Good | Bell type, blocky, purple when mature, med. size | Not rated for flavor or appearance |
| Big Jim | High | Fair | Mildly hot, elongated, red when mature, small-med | Not rated for flavor or appearance |
| Early Niagara Giant | Med-high | Fair | Bell type, blocky, red when mature, med-small | Not rated for flavor or appearance |
| Valencia | Med-low | Good | Bell type, short-blocky, yellow-orange, med-large | Not rated for flavor or appearance |
| Chocolate Bell | Very low | Poor | Bell type, blocky, brown when mature, med. size | Productivity too low to be viable, not rated for flavor or appearance |
| Holy Mole | Medium | Fair | Mildly hot, long, brown when mature, med-small | Not rated for flavor or appearance |
| Red Knight | High | Excellent | Bell type, blocky, red when mature, med-large | Favorite variety for both taste and texture |
| Super Heavyweight | Med-low | Good | Bell type, elongated, yellow when mature, large | Not rated for flavor or appearance |
| Yellow Bell II | Med-low | Good | Bell type, blocky, yellow when mature, med-small | Not rated for flavor or appearance |
| Chinese Giant | Low | Fair | Bell type, elongated, dark red, medium size | Low productivity, not rated for flavor or appearance |

Productivity ratings are based on grower observations. Comments on flavor and marketability are based on a taste evaluations completed by Priscilla Campbell in home cooking tests.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Tomato**

**2007**

**Meridian, Idaho – Market Garden (Spyglass Gardens) of Steve Smith (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Celebrity | Med-High | Excellent | Round, dark red, medium size | Early, excellent all-around tomato, no defect problems, good canner |
| Sweet 100 | Medium | Excellent | Round, bright red, very small cherry type, high set | Lots of tiny tomatoes, customer favorite, needs to be trellised |
| Ace | Medium | Fair | Round, pinkish-red, medium size | Generally OK, decent size, doesn’t produce as well as Celebrity |
| Ace High Improved | Medium | Fair | Round, medium red, medium size | Very similar to Ace, not especially impressed with performance |
| Burgess Stuffing | Medium | Fair | Oval, lobed, orange-red, partially hollow | Great producer, unusual, hard to market, good for stuffing  |
| Burpee Big Boy | Medium | Good | Flattened, medium red, very large size | Huge tomatoes, good flavor, no cracking |
| Yellow Pear | Medium | Good | Pear-shaped, bright yellow, very small size | Colorful and sweet, good producer, good customer appeal |
| Champion | Medium | Fair | Round, medium red, medium size | Did not color well, OK flavor, limited customer appeal |
| Big Beef | Med-high | Good | Slight flattened, medium red, very large | Huge tomatoes, good flavor, no defects, similar to Burpee Big Boy |
| Marglobe | Med-high | Good | Round, medium red, medium-large size | Produced very early, nice size and flavor, good customer appeal |
| Amana | Med-low | Excellent | Flattened, yellowish-orange, very large | Beautiful heirloom, low acid, good producer, customer favorite |
| Super Sioux | Low | Poor | Round, medium red, small size | Hoped for a good early producer and this was not the answer |
| Heat Wave II | High | Fair | Round, medium red, medium-small size | Ok performer, very watery inside, not a customer favorite |
| San Marzano Roma | Medium | Good | Elongated, light red, small size | Huge and tasty, good for salsa and paste, best Roma to grow |
| Howard German Roma | Med-low | Poor | Elongated, light red, small size | Big for a Roma, not as good as San Marzano, lots of blossom end rot |
| Costoluto Genovese | Med-high | Excellent | Flat, heavily ribbed, medium red, medium size | Best flavor of heirlooms, dries well, customers love these, good producer |
| Brandywine | Medium | Poor | Flattened, pinkish red, extremely large | Tended to crack on the bottom, late maturing, watery and poor flavor |
| Caspian Pink | Medium | Fair | Flattened, dark pink, extremely large | Pretty but tended to split, not a good keeper, tender skin |
| Big Rainbow | Med-high | Good | Flattened, mottled pink and yellow, very large | Beautiful color, good taste, low acid, customers liked these |

Market quality and comments are based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Tomato**

**2007**

**Weiser, Idaho – Market Garden of Mike Stanton (long-season production area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Celebrity | Med-High | Good | Round, dark red, medium size | Medium- early, attractive, OK flavor, good for the standard tomato market |
| Sweet 100 | Low | Fair | Round, bright red, very small cherry type, high set | Very early first crop, best for flavor, hard to pick, not popular at market |
| Ace | Low | Good | Round, pinkish-red, medium size | Medium- early, attractive, good flavor, easy to market |
| Ace High Improved | Very high | Good | Round, medium red, large size | Medium-early, better producer than the original , very marketable |
| Burgess Stuffing | Medium | Fair | Oval, lobed, orange-red, partially hollow | Medium-late, unique stuffing tomato, hard sell-unusual type and flavor  |
| Burpee Big Boy | Med-low | Good | Flattened, medium red, large size | Medium maturity, inconsistent producer, OK flavor, OK marketability |
| Yellow Pear | Low | Fair | Pear-shaped, bright yellow, very small size | Early maturity, very unique type, hard to pick, limited market |
| Champion | Med-low | Good | Round, dark red, medium size | Medium- early, very attractive with few defects, excellent flavor, easy sell |
| Big Beef | Very high | Good | Slight flattened, medium red, large | Medium maturity, best beefsteak tomato in trial, good market appeal |
| Marglobe | Med-high | Fair | Round, medium red, medium-large size | Medium-early, poor productivity and quality late, OK flavor, sells OK |
| Amana | Med-low | Excellent | Flattened, yellowish-orange, very large | Medium maturity, unique heirloom, good flavor, good market appeal |
| Super Sioux | Low | Poor | Round, medium red, small size | Medium-early, good flavor, inconsistent producer, limited appeal |
| Heat Wave II | Very high | Good | Round, medium red, medium-small size | Medium-early, long-season producer, good flavor, very marketable |
| San Marzano Roma | Very low | Poor | Elongated, light red, small size | Late maturity, very bad blossom-end rot all season, hard to sell |
| Howard German Roma | Very low | Poor | Elongated, light red, small size | Very late maturity, very bad blossom-end rot, hard to sell  |
| Costoluto Genovese | Med-low | Fair | Flat, heavily ribbed, medium red, medium size | Early maturity, unusual appearance, hard to market, good cooked flavor |
| Brandywine | High | Excellent | Flattened, pinkish red, extremely large | Medium-late maturity, good flavor, easy to market due to reputation |
| Caspian Pink | Medium | Fair | Flattened, dark pink, extremely large | Very late maturity, unique color, good flavor, hard to market |

Market quality and comments are based on grower observations. Taste comments are based on the results of an ad hoc sensory panel made up of eight community members.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Tomato**

**2008**

**Weiser, Idaho – Market Garden of Mike Stanton (Long-season production area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Big Rainbow | Med-high | Medium | Flattened, mottled pink and yellow, very large | Medium-late maturity, unique color, good flavor, limited market appeal |
| Marglobe | Med-low | Good | Round, medium red, medium size | Medium-early maturity, excellent flavor, poor late-season producer |
| Big Beef | Very high | Good | Slight flattened, medium red, medium-large | Medium maturity, poor flavor, good market appeal |
| Caspian Pink | Medium high | Fair | Flattened, dark pink, extremely large | Late maturity, good flavor , only fair market appeal due to unusual color |
| Amana | Medium | Excellent | Flattened, yellowish-orange, very large | Medium maturity, unique heirloom, excellent flavor, good market appeal |
| Ace High Improved | High | Good | Round, medium red, large size | Better variety than the original ‘Ace’, attractive, good producer |
| Super Sioux | Medium | Poor | Round, medium red, small size | Medium-early, poor flavor, size inconsistent, poor market appeal |
| Heat Wave II | Very high | Good | Round, medium red, medium-small size | Medium-early, long-season producer, good flavor, good market appeal |
| Celebrity | High | Good | Round, dark red, medium size | Medium maturity, attractive, fair flavor, good market appeal |
| Ace | Med-low | Excellent | Round, pinkish-red, medium size | Medium-early, attractive, excellent flavor, good market appeal |
| Burgess Stuffing | Very low | Fair | Oval, lobed, orange-red, partially hollow | Moderately late, good flavor, hard sell due to unusual shape and flavor |
| Burpee Big Boy | High | Good | Flattened, medium red, large size | Medium maturity, outstanding flavor, good market appeal |
| Ace High Improved | Very high | Good | Round, medium red, large size | Better variety than the original ‘Ace’, good producer |
| Champion | Very high | Excellent | Round, dark red, medium size | Medium- early, attractive, excellent flavor, excellent market appeal |
| Costoluto Genovese | Medium | Poor | Flat, heavily ribbed, medium red, medium size | Early maturity, excellent cooked flavor, poor market appeal |
| Brandywine | High | Good | Flattened, pinkish red, extremely large | Late maturity, poor flavor, good market appeal due to reputation |

Market quality, flavor comments, and market appeal comments are based on grower notes and on an evaluation panel consisting of members of the Weiser Women’s Sorority. Good market appeal reflects marketplace popularity and a positive answer to the question of whether or not the panelist would purchase this product at the local farmer’s market.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Tomato**

**2009**

**Weiser, Idaho – Market Garden of Mike Stanton (long-season growing area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Burgess Stuffing | Low | Poor | Oval, lobed, orange-red, partially hollow | Medium-late, poor flavor, unique and hard to sell, requires education |
| Ace | Med-low | Good | Round, pinkish-red, medium-large size | Medium-early, attractive, OK flavor, good seller in the standard market |
| Big Beef | Very high | Good | Slight flattened, medium red, medium-large | Medium maturity, OK flavor, small for beefsteak, good seller |
| Celebrity | Med-high | Good | Round, dark red, medium size | Medium maturity, fair flavor, good market acceptance |
| Champion | Very high | Good | Round, dark red, medium size | Medium- early, attractive, excellent flavor, good market appeal |
| Super Sioux | Med-low | Poor | Round, medium red, smaller size | Medium-early, good flavor, inconsistent size, hard to sell |
| Heat Wave II | Med-high | Good | Round, medium red, medium-small size | Medium-early, long-season producer, good flavor, good market appeal |
| Burpee Big Boy | High | Fair | Flattened, medium red, med-large size | Medium maturity, good flavor, OK market appeal, inconsistent |
| Fireworks | Low | Poor | Slightly flattened, dark red, small size | Medium-early maturity, poor producer, limited market appeal |
| Marglobe | Med-high | Fair | Round, medium red, medium-small size | Medium-early maturity, OK flavor, fair market appeal, poor late prod. |
| Costoluto Genovese | Med-high | Poor | Flat, heavily ribbed, medium red, medium size | Early maturity, good cooked flavor, poor market appeal, rough-looking |
| Caspian Pink | Medium high | Fair | Flattened, dark pink, extremely large | Late maturity, good flavor , only fair market appeal (unusual color) |
| Amana | Med-high | Excellent | Flattened, yellowish-orange, very large | Medium maturity, unique heirloom, good flavor, good market appeal |
| Brandywine | Med-high | Excellent | Flattened, pinkish red, extremely large | Medium-late maturity, good flavor, excellent market appeal |

Market quality, flavor comments, and market appeal comments are based grower notes and on an evaluation panel consisting of members of the Weiser Women’s Sorority. Good market appeal reflects popularity and a positive answer to the question of whether or not the panelist would purchase this product at the local farmer’s market.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Melon (Cantaloupe)**

**2007**

**Parma, Idaho – UI Research & Extension Center (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Crane | Med-low | Fair | Crenshaw type, light green w/ freckles, 3-5 lbs | Not included in the taste panel, not a favorite of the growers |
| Blenheim Orange | Low | Good | Cantaloupe type, fine tan net, orange flesh, 1-2 lb | Not included in the taste panel, considered OK by growers |
| Ananas | Medium | Excellent | Winter melon, light green-yellow, white flesh, 5 lb | Received good flavor ratings, strong “will-buy” majority |
| Iroquois | Low | Good | Cantaloupe type, ribbed, tan net, orange flesh, 4-5 lb | Not included in the taste panel, average response from growers |
| Sungold | Very high | Fair | Casaba type, wrinkled skin, yellow, white flesh, 5 lb | Panelist did not like the unusual flavor, poor buying response |
| Sweet Granite | Med-high | Good | Cantaloupe type, long, light net, orange flesh, 5 lb | Earliest melon, not included in the panel, rated OK by growers |
| Ein Dor | Medium | Good | Green flesh cantaloupe type, green-netted, 3-4 lb | Positive comments about flavor and sweetness, strong “will-buy” rating |
| Haogen | Med-low | Excellent | Green flesh, smooth yellow skin, round, 2-4 lb | Panelist favorite for flavor, strong “will-buy” majority |
| Stutz Supreme | Med-high | Fair | Honeydew type, oval, light green, orange flesh, 5 lb | Negative comments about bland or unusual flavor, majority “no-buy” |
| Harvest Queen | Medium | Excellent | Cantaloupe type, round, tan net, orange flesh, 3-4 lb | Positive comment on sweet flavor, strong “will-buy” majority |

Productivity and market values are based on research measurements and observations. Taste comments are based on results of an extension public sensory panel conducted at Lowell Scott Middle School.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Melon (Cantaloupe)**

**2008-2009**

**Boise, Idaho – Market Garden (Morning Owl Farm) of Mary Rohlfing (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Crane | Medium | Fair | Crenshaw type, light green w/ freckles, 3-5 lbs | Sweet flavor, hard to tell ripeness, cracks easily, won’t grow any more |
| Blenheim Orange | Med-high | Excellent | Cantaloupe type, fine tan net, orange flesh, 1-2 lb | Good for single servings, customer favorite, nice sweet flavor |
| Ananas | Medium | Excellent | Winter melon, light green-yellow, white flesh, 5 lb | Heirloom from Middle east, very sweet, great market acceptance |
| Iroquois | Medium | Good | Cantaloupe type, ribbed, tan net, orange flesh, 4-5 lb | Early maturing, excellent flavor, replacement for Hale’s Best |
| Sungold | Medium | Good | Casaba type, wrinkled skin, yellow, white flesh, 5 lb | Mild flavor, resistant to cracking, excellent customer acceptance |
| Sweet Granite | Med-high | Excellent | Cantaloupe type, long, light net, orange flesh, 5 lb | Good basic early variety, taste is superb, will be a staple on the farm |
| Ein Dor | Medium | Good | Green flesh cantaloupe type, green-netted, 3-4 lb | Hard to grow, outstanding flavor, aromatic, great customer appeal |
| Haogen | High | Excellent | Green flesh, smooth yellow skin, round, 2-4 lb | Hard to predict ripeness, excellent flavor, great customer appeal |
| Stutz Supreme | Medium | Fair | Cantaloupe type, oval, tan net, orange flesh, 5 lb | Performed OK but offered nothing special, will not grow again |
| Pulsar | Medium | Fair | Cantaloupe type, round, tan net, orange flesh, 5-6 lb | Average variety in most ways, OK market appeal, will not grow again |
| Rocky Ford | Med-high | Fair | Green flesh, bronze netted skin, 2 lb | Productive, average quality and market appeal, will not grow again |

Productivity and market values are based on grower observations. Taste comments are based on the results customer sensory panel made up of people.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Spinach**

**2007**

**Parma, Idaho – UI Parma Research & Extension Center (Long-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Resistoflay | Low | Good | Medium sized leaves, smooth, medium green | Not rated for flavor or appearance |
| Viroflay | Med-high | Good | Medium sized leaves, smooth, light green | Not rated for flavor or appearance |
| Nobel Giant | Medium | Good | Very large leaves, thick, smooth, medium green | Largest leaves, tender, not rated for flavor or appearance |
| Perpetual | Med-high | Excellent | Very large leaves, smooth, light green | Chard type, good for repeat cutting, not rated for flavor or appearance |
| Bloomsdale Longstanding | Medium | Good | Large leaves, thick, crinkled, dark glossy green | Slow to bolt, not rated for flavor or appearance |
| Correnta | Med-high | Excellent | Medium sized leaves, smooth, dark green | Slow to bolt, not rated for flavor or appearance |
| Baby’s Leaf | Medium | Good | Small leaves, smooth, dark green | Rapid growth, not rated for flavor or appearance |
| Harmony | Med-high | Good | Medium-sized leaves, crinkled, dark green | Matures quickly, not rated for flavor or appearance |
| Avon | Medium | Excellent | Medium sized leaves, crinkled, dark green | Productivity too low to be viable, not rated for flavor or appearance |
| Tyee | Medium | Good | Medium sized leaves, crinkled, dark green | Not rated for flavor or appearance |
| New Zealand | Medium | Fair | Large leaves, dark green | Spinach alternative, poor texture, provides multiple cuttings |
| Melody | Med-high | Good | Medium-sized leaves, crinkled, dark green | Not rated for flavor or appearance |
| Teton | Medium | Good | Medium sized leaves, smooth, dark green | Slow to bolt, not rated for flavor or appearance |
| Oriental Giant | Low | Good | Very large leaves, smooth, medium green | Low productivity, not rated for flavor or appearance |
| Razzle Dazzle | High | Good | Small leaves, smooth, medium green | Very early producer, not rated for flavor or appearance |

Productivity ratings are based on grower observations. Comments on flavor and marketability are based on a taste evaluations completed by Priscilla Campbell in home cooking tests.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Watermelon**

**2007**

**Parma, Idaho – UI Parma Research & Extension Center (Long-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Quetzali | Medium | Good | Icebox type, round, striped, seeded, red flesh | Rated good for flavor, strong majority of “will-buy” ratings |
| Cathay Belle | Med-low | Fair | Icebox type, oval, striped, seeded, red flesh | Rated poor for flavor and texture, majority of “not-buy” ratings |
| Crimson Sweet | Very high | Excellent | Large type, oval, striped, seeded, red flesh | Very productive, favorite in the trial for flavor and texture |
| Iopride | Medium | Excellent | Large type, oval, light striped, seeded, red flesh | Rated as very sweet and flavorful, Strong majority “will-buy” ratings |
| Blacktail Mountain | Medium | Fair | Large type, round, dark green, red flesh | Preferred variety for appearance, poor flavor and texture ratings |
| Early Moonbeam | Medium | Good | Icebox type, round, seeded, striped, yellow flesh | Yellow flesh deters customers, rated very high for flavor |
| Sweet Beauty | None | Poor | Large type, long, light striped, seeded, red flesh | All plants of this variety died before harvest |
| New Queen | Med-low | Fair | Ice box type, round, seeded, striped, orange flesh | Orange flesh deters customers, poor ratings for flavor (bitter) |
| New Orchid | Medium | Good | Ice box type, round, seeded, striped, orange flesh | Orange flesh deters customers, positive flavor ratings |
| Constitution | High | Good | Ice box type, round, seedless, striped, red flesh | Customers liked the seedless characteristic |

Productivity ratings are based on grower observations. Comments on flavor and marketability are based on a taste evaluations completed by R & E Center staff.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Summer Squash**

**2008**

**Meridian, Idaho – Market Garden (Spyglass Gardens) of Steve Smith (long-season area)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Summer Straightneck | Med-High | Fair | Straightneck type, yellow fruit | Good producer, wilted quickly, best picked in the morning |
| Trombocino | Medium | Poor | Crookneck type, gray fruit | Tough skin and flesh, hard to sell, negative customer comments |
| Eight Ball | Med-high | Excellent | Round zucchini type, dark green fruit | Good producers, good customer acceptance, good for stuffing |
| Papaya Pear | Med-high | Fair | Pear shaped, yellow fruit | Good producer, not much flavor, limited customer appeal |
| Yellow Crookneck | High | Good | Crookneck type, bright yellow fruit | Consistent producer and seller, good keeper in cold storage, bruises easily |
| Black Beauty | High | Good | Zucchini type, long and straight, dark green fruit | Good producer, consistent seller, compact bushes and easy to pick |
| Gold Rush | High | Fair | Zucchini type, straight, yellow fruit | Good producer, bland flavor, limited customer appeal |
| Green Patty Pan | Med-high | Good | Scallop type, flattened, light green fruit | Good producer, wilts easily, tends to bruise, OK customer appeal |
| Golden Patty Pan | Med-high | Good | Scallop type, flattened, bright yellow fruit | Similar performance as green variety, customer favorite |
| Costata Romanesco | Med-high | Good | Zucchini type, straight, striped fruit | Good size and flesh texture, OK customer appeal, plant died early |
| Gadzukes | High | Excellent | Zucchini type, straight, dark green fruit | Nutty flavor, bakes and grills well, customer favorite |
| Cristoforo | High | Fair | Zucchini type, straight, striped fruit | Similar to Costata Romanesco, OK flavor, Gadzukes sells better |

Market quality and comments are based on grower observations.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Watermelon**

**2007**

**Filer, Idaho – Garden Market (B & G Produce) of Greg Blastock (Moderate-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Quetzali | Low | Fair | Icebox type, round, striped, seeded, red flesh | OK appearance, fair flavor ratings, relatively poor customer response |
| Cathay Belle | Med-low | Poor | Icebox type, oval, striped, seeded, red flesh | Poor appearance, very poor flavor, bland, poor customer response |
| Crimson Sweet | High | Excellent | Large type, oval, striped, seeded, red flesh | Excellent appearance, good flavor ratings, good customer appeal |
| Iopride | High | Good | Large type, oval, light striped, seeded, red flesh | Very attractive, good flavor ratings, mixed customer response |
| Blacktail Mountain | Med-low | Fair | Large type, round, dark green, red flesh | Fair external appearance, fair flavor, mixed customer response |
| Early Moonbeam | Low | Fair | Icebox type, round, seeded, striped, yellow flesh | OK appearance, poor texture, fair flavor, limited customer appeal |
| Sweet Beauty | Low | Good | Large type, long, light striped, seeded, red flesh | Good appearance, good flavor, positive customer appeal |
| New Queen | Med-low | Good | Ice box type, round, seeded, striped, orange flesh | Nice appearance, good flavor ratings, good customer response |
| New Orchid | Medium | Poor | Ice box type, round, seeded, striped, light orange flesh | Poor appearance, very poor flavor rating, flesh color may a deterrent |
| Constitution | Medium | Excellent | Ice box type, round, seedless, striped, red flesh | Nice appearance, excellent flavor, excellent customer appeal |

Productivity ratings are based on grower measurements. Comments on flavor and marketability are based on customer appearance and taste evaluations conducted on the farm siteby Jerome County Extension personnel.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Melons (Cantaloupe)**

 **2008**

**Aberdeen, Idaho – University of Idaho - Aberdeen R&E Center (Short-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Alaska | Moderate | Fair | Medium (3-lb), oval, tan netted skin, light-orange flesh | Good early production, 90% of fruit ripened, average flavor ratings |
| Ambrosia | High | Fair | Medium (3-lb), round, greenish netted skin, dark-orange flesh | Very late production, very small seed cavity, above average flavor |
| Iroquois | Low | Poor | Medium (3-lb), round, tan netted skin, deep sutures, medium-orange flesh | Late maturing, good flavor on early melons, below average taste later |
| Early Silverline | Moderate | Poor | Small (1-lb), pear-shaped, light-green smooth skin, green flesh | Early production, unhealthy vines died early, poor melon flavor |
| Earliqueen | Moderate | Good | Medium (2.4-lb), tan netted skin, shallow sutures, medium-orange flesh | Earliest maturing melon in the trial, high percentage of fruit ripened, outstanding flavor |
| Gurneys Giant | Low | Fair | Large (4-lb), round, tan skin, moderate netting, dark-orange flesh | Late production, vine condition deteriorated rapidly, outstanding flavor, very small seed cavity |
| Early Hanover | High | Poor | Small (1-lb), round, greenish-brown skin, light green flesh, shallow sutures | Early maturity, in-consistent flavor, orange tinge in seed cavity |
| Sweet N’ Early | High | Good | Small (1.4-lb), round, tan netted skin, shallow sutures, medium-orange flesh | Mid-September production, good flavor, all fruit ripened before frost |
| Minnesota Midget | High | Poor | Very small (0.8-lb), green netted skin, shallow sutures, pale greenish-orange flesh | Late maturity, only 30% of fruit ripened, poor taste |
| Burpee’s Crenshaw | Low | Fair | Large (6.5-lb), oblong, yellowish-green skin, medium-orange flesh | Low germination, all fruit ripened, good taste |
| Eden’s Gem | High | Fair | Very small (0.7-lb), dark-greenis-brown skin, netted, green flesh | Medium maturity, half of fruit matured, average flavor, very soft flesh texture |
| Early Crenshaw | Low | Poor | Large (5 lb), oblong, dark-green smooth skin, light orange flesh | Very late, no fruit reached maturity, too late for this year |
| Sweet Granite | Low | Poor | Medium (2-lb), oval, tan netted skin, medium- orange flesh | Very late production, only 10% of the fruit ripened, not fully mature |
| Hearts of Gold | Low | Poor | Medium (2-lb), round, tan netted skin, deep sutures, dark-orange flesh | Late maturity, plants not vigorous, melons ripened too late to attain decent quality |
| Hales Best | Very Low | Poor | Medium, tan netted, no sutures | Melons did not ripen and did not reach mature size |

Productivity ratings are based on total melon production, melon production per vine and melon size, as compared to the melons in this trial. Comments on marketability are based on a combination of overall production and flavor. Comments on flavor are based on taste ratings taken during each harvest.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Melons (Cantaloupe)**

**2009**

**Aberdeen, Idaho – University of Idaho - Aberdeen R&E Center (Moderate-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Alaska | High | Fair | Medium-sized, oval, green-to-tan netted skin, slight sutures, light-orange flesh | Good early production, 100% of fruit ripened, average flavor ratings but can be poor when not fully ripe |
| Ambrosia | Moderate | Fair | Medium-size, round, green-to-tan netted, no sutures, medium orange flesh | Early production (early September), many non-ripe left on vines, small seed cavity, above average flavor |
| Iroquois | Moderate | Poor | Small, oval, dark green/ tan skin, netted, slight sutures, medium-orange flesh | Early, consistent production throughout September, below average taste |
| Fastbreak | Moderate | Good | Small, round, green/tan skin, heavily netted, deep sutures, med-orange flesh | Early, consistent production, majority of fruit ripened, nice melon, good flavor ratings |
| Earlisweet | Moderate | Good | Small, round, dark green/tan skin, netted, deep sutures, med to dark-orange flesh | Good early and extended production, high percentage of fruit ripened, above average flavor |
| Gurneys Giant | Low | Low | Medium-sized, round to oval, light green/ tan skin, netted, med-orange flesh | Production began mid-September, vine condition deteriorated rapidly, average taste |
| Twice is Nice | Very Low | Poor | Large, round, gold/ orange smooth skin, ribbed, no sutures, white flesh | Late production, bland flavor (better at last harvest), many non-ripe fruit left on vine, firm flesh |
| SweetNEarly | High | Fair | Small, round, green/ tan netted skin, slight sutures, medium-orange flesh | Fairly early and consistent production, inconsistent and often poor flavor |
| Earlidew | Moderate | Good | Medium, oval, yellow-green skin, smooth, no sutures, medium-green flesh | Production by mid-September, very good taste, many non-ripe fruit left on vine |
| Arava | Moderate | Fair | Medium, round, green/ orange netted skin, no sutures, medium-green flesh | Production my late September, good taste, many fruit left on vine |
| Kansas | Low | Poor | Small, round to oval, light-green/tan coarsely netted skin, medium-orange flesh | Late production, half of fruit left on vine, OK and somewhat unique flavor |
| Early Crenshaw | Low | Poor | Large, oblong, smooth skin, medium-green/ yellow skin, light-orange flesh | Late production, most fruit was not ripe and left on vine by end of September, average flavor |
| Goddess | Low | Fair to Good | Medium, round, tan skin, heavily netted, no sutures, dark orange flesh | Early production, all fruit ripened, excellent taste, small flesh cavity |
| Halona | Moderate | Fair | Medium, round, orange-tan netted skin, deep sutures, medium-orange flesh | Fairly early production, most fruit ripened, good taste |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Tigger | Low | Poor | Very small, round, dark orange-striped, smooth skin, no sutures, white flesh | Mid-September production, most fruit did not ripen, very poor taste |
| Passport | Moderate | Good | Medium-size, round, green/gold netted, no sutures, light-green flesh | Very early production, all fruit harvested by mid-September, good flavor early |
| Home Run | Low | Fair to low | Medium- sized, round to oval, heavily netted tan skin, med-orange flesh | Early, consistent production, majority of fruit ripened, average flavor |
| Burpee Hybrid | Moderate | Fair | Small, round-oval, tan/ light green heavily netted skin, light-orange flesh | Early production, majority of fruit ripened, average taste |
| Athena | Low | Fair | Medium-size, oval-round, tan heavily netted skin, medium- orange flesh | Late production, majority of fruit did not ripen, very good flavor |
| Giant Moondew | Very Low | Poor | Large, oblong, light-green skin, smooth skin, no sutures, medium-green flesh | Late production, average taste |
| Hales Best | Low | Poor | Small, oval, green/tan, moderate netting, slight sutures, med-orange flesh | Mid-September production, average taste |
| Lambkin | Low | Poor | Small, long, pointy, green with yellow specks on skin, smooth, light-green flesh | Very late production, majority of fruit did not ripen, odd-looking, orange flesh cavity, average taste |
| LilSweet | High | Fair | Very small, round, green/tan skin, heavy netting, medium sutures, dark-orange flesh | Early production, majority of fruit ripened, high number of fruit per hill, good taste |
| Superstar | Low | Poor | Large, round-oval, med-green/tan heavily netted, medium orange flesh | Late production, majority of fruit did not ripen, average flavor which improved late in season |

Productivity ratings are based on total melon production, melon production per vine and melon size, as compared to the melons in this trial. Comments on marketability are based on a combination of overall production and flavor. Comments on flavor are based on taste ratings at taken during each harvest.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Watermelons**

 **2008**

**Aberdeen, Idaho – University of Idaho - Aberdeen R&E Center (Short-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Crimson Sweet | Low | Fair | Medium (8-lb), round, medium-green w/dark-green stripe, medium-red flesh | Production by mid September, 60% of fruit was ripe by frost, good flavor |
| BlackTail Mt. | Moderate | Fair | Small (4-lb), round, dark-green, light-red flesh | Early production, close to 50% of fruit ripe by frost, acceptable flavor |
| Early Moonbeam | High | Good | Small (5-lb), round, light green w/dark stripe, medium-yellow flesh | Good early production, 80% fruit ready by frost, healthy vines, good flavor, sweet crisp flesh |
| Northstar | Moderate | Fair | Medium (9-lb), dark-green w/yellow dots, light-red flesh | Medium-early production, 50% of fruit ready by frost, average flavor, sweeter on top than close to ground |
| Love Special | High | Good | Large (11-lb), round, striped, dark-red flesh | Early production, 100% of fruit ready by frost, good flavor |
| Sweet Dakota Rose | Low | Poor | Medium (7-lb), oval, light-green w/darker green stripe, light-red flesh | Medium early, flavor was poor due to lack of warm weather during maturity, 40% of fruit ripe by frost |
| Melody | None | Very poor | Small, round, seedless, dark green stripe, medium red flesh | Fruit approached ripeness but did not make it before hard frost. |
| Sweet Siberian | None | Very poor | Medium size, dark green skin, orange-yellow flesh | Fruit did not size up nor ripen |
| Melitopolski | None | Very poor | Small, dark green/light green strip, pink flesh | Fruit did not size up nor ripen |
| Osh Kirgizia | None | Very poor | Small, light green speckled, light red flesh | Fruit did not size up nor ripen |
| Charleston Gray | None | Very poor | Large, long, light green skin, dark pink flesh | Melons did not develop before killing frost |

Productivity ratings are based on total melon production, melon production per vine and melon size. Comments on marketability are based on a combination of overall production and flavor. Comments on flavor are based on taste ratings at taken during each harvest.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Watermelons**

**2009**

**Aberdeen, Idaho – University of Idaho - Aberdeen R&E Center (Moderate-season location)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Crimson Sweet | Moderate | Good | Large (12-lb), oval, dark-green w/light-green stripe, light-red flesh | Production by early September, a few left on vine, good flavor |
| BlackTail Mt. | Moderate | Fair | Small (6-lb), round, dark-green, light netting, dark-red flesh | Very early production, no production after initial harvest, vines died rapidly, average flavor |
| Early Moonbeam | High | Good | Small (6-lb), round, light green w/dark stripe, medium-yellow flesh | Good early production, healthy vines, good flavor, tendency for hollow heart |
| Northstar | High | Fair | Large (12-lb), round, dark-green w/yellow dots, light-red flesh | Good early production, average flavor |
| Love Special | Moderate | Fair | Large (12-lb), oblong, dark-green w/light green stripe, medium-red flesh | Early production, good flavor, seedy |
| Million Bucks | Moderate | Good | Large (13-lb), oblong, dark-green w/light green stripe, medium-red flesh | Mid-September production, very good flavor |
| Honeypot | High | Good | Small (7-lb), round, light green w/dark stripe, medium-yellow flesh | Early production, seedless, good flavor |
| Gypsy | Low | Fair | Medium (10-lb), round, dark green w/light green stripe, medium-red flesh | Moderately early production, seedless, good flavor |
| Sweet-Favorite | Moderate | Good | Very Large (17-lb), long, light-green w/dark-green stripe, med- dark red flesh | Mid-September production, very good flavor, nice watermelon |
| Yellow Sunshine | Moderate | Good | Small (6-lb), oval-round, light-green w/dark-green stripe, dark-yellow flesh | Early production, very sweet, but not much watermelon flavor |
| Yellow Doll | High | Good | Small (5lb), oval-round, light-green w/dark-green stripe, medium-yellow flesh | Good early production, above average flavor |
| Fordhook | Low | Fair | Medium (10-lb), round, dark green skin, medium-red flesh | Early production, above average flavor |
| Golden Crown | Low to Moderate | Fair | Small (5-lb), oval, gold skin, light-red flesh | Very early, very good flavor |
| Orange Tendersweet | Moderate | Poor | Large (14-lb), oblong, dark-green/light-green stripe, yellow-orange flesh | Late production, poor flavor due to non-ripe fruit, too late |
| Sugar Baby | Moderate | Poor | Small (7-lb), round, dark green, netted, light-red flesh | Very early production, poor flavor |
| Sugar Bowl | Moderate | Fair | Small (7-lb), oblong, light-green w/light-green stripe, medium-red flesh | Very early production, very good flavor, vine health deteriorated rapidly |

Productivity ratings are based on total melon production, melon production per vine and melon size. Comments on marketability are based on a combination of overall production and flavor. Comments on flavor are based on taste ratings at taken during each harvest.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Tomato**

**2009 Aberdeen, Idaho – University of Idaho R&E Center Trial (Short-season production area)**

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| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Fourth of July | Very High | Good | Small, medium-red, round fruit | Very- early (early August), above average flavor, no serious fruit defects |
| Juliet Hybrid | High | Fair to good | Very small, light-red, long to medium-round fruit | Somewhat late (early September), maximum production late season, average taste |
| Stupice | High | Below average | Small, light red,oval fruit | Early (early-August), light production early increasing after 5th week of production, good flavor |
| Polar Beauty | High | Fair | Small to medium, medium red, slightly flattened fruit | Early (early-August), production in latter third of season, above average taste, for green shoulders on fruit |
| Sub-Arctic Max | Moderate | Poor | Very small, light-red, round fruit | Early (August), moderate production throughout season, below average taste, tendency for fruit to sunburn |
| Siletz | Moderate | Good | Medium to large, medium red, slightly flattened fruit | Average maturity (late-August), production late-September, below average taste, bulging and cracking |
| Early Girl | Moderate | Fair | Medium-sized, medium-red, round, slightly flattened fruit | Average maturity (late-August), production concentrated at end of season, below average taste |
| Santium | Moderate | Below average | Medium to small, dark-red, round fruit | Average to late maturity (early-September), poor taste, tendency for fruit to crack |
| Oregon Spring | Moderate | Fair | Medium, medium-red, round fruit | Average maturity (Early-September), Below average taste, tendency for cracks |
| Ultimate Opener | Moderate | Fair | Medium, light-red, oval fruit | Average maturity (late-August), few fruit defects, more production late, below average taste |
| Valley Girl | Moderate to Low | Good | Medium, medium-red, round fruit | Average maturity (early-September), attractive with few defects, slightly lower than average taste |
| Fireworks | Low | Fair | Medium-sized, light red, round fruit, shoulder ridges | Average maturity (Late-August), low production throughout season, slightly below average taste |
| Champion | Moderate | Good | Medium-large, dark red, round fruit | Average maturity (early September), attractive fruit, above average taste, some fruit cracks |
| Big Beef | Moderate | Fair | Large, medium­-red fruit | Moderately late (early September), large attractive fruit, average taste, good taste, some fruit cracking |

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| Early Goliath | Moderate | Good | Very large, medium-red, slightly flattened fruit | Moderately late (early September), darker red fruit at end of season, good taste |
| Marglobe | Low to Moderate | Good | Medium, medium-red, round fruit | Moderately late (early September), some fruit cracking otherwise few defects, average taste |
| Burbee Big Boy | Moderate to Low | Fair | Large, dark red, flat fruit | Moderately late (early September), only moderate production, nice appearance, very good taste |
| Better Boy | Low | Fair | Medium to large,medium-red, round fruit | Moderately late (early September), good production, misshapen fruit, good taste |
| Caspian Pink | Low | Poor | Large, dark-red, slightly ribbed, flattened fruit | Very late (Late-September), poor production, good taste, tendency for fruit rot and cracking |
| Amana | Low | Poor | Large, fruit not evaluated for color or shape | Very late (very few ripe fruit in late September), very poor production, good taste |
| German Queen | Very Low | Poor | Very Large, pink, slightly flattened fruit | Very late (Late September), only 10 total ripe fruit harvested during the entire season |

Market quality is based on a combination of production, fruit quality and comments taken during periodic harvests. Taste comments are based on the results of sensory panel evaluation when most varieties were available for tasting.

Vegetable Variety Trials

**University of Idaho Living on the Land Project (2007 – 2009)**

**Tomato**

**2007 Aberdeen, Idaho – University of Idaho R&E Center Trial (Short-season production area)**

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| **Variety Name** | **Productivity** | **Market Quality** | **Description** | **Comments** |
| Gem State | Moderate | Fair | Small, light red, small, round fruit | Very- early (early August), average flavor, late-season decline, no serious fruit defects, small plants |
| Fourth of July | High | Fair | Small, dark red, round fruit | Very early (early August), consistent production throughout season, below average taste, few defects |
| Northern Lights | Moderate | Fair | Medium, light red, slightly flattened fruit | Early (mid-August), production continued until killing frost, occasional catfacing, bland flavor |
| Sasha’s Altai | Moderate | Fair | Small, light red slightly flattened fruit | Early (mid-August), production compressed in early season, above average taste, no serious fruit defects |
| Marglobe | Moderate | Good | Medium-large, medium red, round, attractive fruit | Moderately-early (late-August), good early production, average taste, slight tendency to crack |
| Oregon Spring | Moderate | Fair | Medium sized, medium red, round fruit | Moderately-early (mid-August), production through mid-September, average taste, tendency to crack |
| Phoebe’s | Moderate | Fair | Small, medium red, round fruit | Moderately-early (late-August), production wanes, above average taste, no serious fruit defects |
| Subarctic Plenty | Moderate | Low | Small, medium red, slightly oval fruit | Moderately-early (late-August), OK production, below average taste, no fruit defects |
| Sweet 100 | Very High | Good | Small, dark red, cherry tomatoes | Moderately-early (late-August), excellent taste, tendency to split when ripe, consistent production |
| Early Girl | Moderate | Fair | Medium, medium-red, round fruit | Average earliness (late August), no serious fruit defects, consistent production, above average taste |
| Better Boy | Moderate | Fair | Medium to large, medium red, round fruit | Moderately late (mid September), OK production, some cracking and bulging, average taste |
| Big Beef | Moderate | Good | Large, medium red, slightly flattened fruit | Moderately late (early September), consistent production last half of season, excellent taste |
| Champion | Moderate | Fair | Medium-large, medium to dark red, round fruit | Moderately late (early September), very attractive fruit, average taste, consistent production |
| Costoluto Genovese | Moderate | Poor | Medium to large, dark red, flattened, markedly ribbed fruit | Moderately late (early September), unusual fruit shape with catfacing and malformation, average taste |

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| Early Goliath | Moderate | Fair | Large, light red, round , slightly flattened fruit | Moderately late (early September), earliest large tomato, no serious fruit defects, average taste |
| Heatwave II | Moderate | Poor | Medium, light red, round fruit | Moderately late (early September), no serious fruit defects, plants have tendency for disease |
| Northern Exposure | Moderate to Low | Poor | Large, light red, round fruit | Moderately late (early September), very limited production, below average taste |
| Sanmarzano Roma | Low | Poor | Small to medium, light red elongated, angular fruit | Moderately late (early September), over 75% fruit remained after killing frost, poor taste |
| Super Sioux | Moderate to low | Poor | Medium-large, light red, slightly flattened fruit | Moderately late (early September), unattractive fruit color, limited production, poor taste |
| Ace | Low | Poor | Medium to large, pinkish red, round fruit | Late (mid September), indented stem end, unhealthy vines, unattractive fruit, poor flavor |
| Howard German Roma | Low | Some potential | Medium, light red, oblong/pointy fruit | Late (mid September), no serious fruit defects, large healthy plant. Limited production, poor flavor |
| Yellow Pear | High | Fair | Small, yellow, perfectly pear-shaped fruit | Late (mid September), very large, healthy plants, productive, hard to pick, good taste |
| Armana | Low | Some potential | Very large, yellowish-orange, flattened fruit | Very late (late September), tendency for fruit rot, large and healthy plant, mild, juicy, nice culinary quality |
| Black Brandywine | Low | Poor | Medium, green-to-blackish-red, squashed-pear shaped fruit | Very late (late September), unattractive mottled color, OK flavor, tendency to rot |
| Brandywine | Low | Poor | Large, warm-pink, slightly flattened fruit | Very late (late September), heritage variety, tendency for fruit rot upon ripening, fruit can be attractive |
| Burgess Stuffing | Low | Some potential | Medium, orange, bell-pepper shaped fruit | Very late (late September), heritage variety, partially hollow fruit for stuffed tomato dishes |
| Caspian Pink | Low | Poor | Large, bright pink, round to slightly flattened fruit | Very late (late September), high tendency for fruit rot upon ripening, good flavor |

Market quality is based on a combination of production, fruit quality and comments taken during periodic harvests. Taste comments are based on the results of sensory panel evaluation when most varieties were available for tasting. Some varieties not tasted during the panel evaluation were tasted by the study director.

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