This report is a summary of observations made of several greenhouse vegetable varieties grown at the University of Florida/IFAS Suwannee Valley Agricultural Extension Center near Live Oak, Florida. These observations have been made while growing several crops in various growing systems inside standard greenhouse structures. This summary is not intended to be a recommendation based on replicated research trials. However, since there have been so few replicated trials in Florida, this information may be helpful as a starting point when selecting varieties.

**TOMATO**
- Trust: Indeterminate beefsteak variety
- 8 – 10 oz. fruit
- Industry standard for greenhouse tomato production

**BELL PEPPER**
- Indeterminate, Colored Fruit
- Red – Triple 4 and Zamboni
- Orange – Gourmet, Mango, and Sympathy
- Yellow – Bossanova and Moonset
- White – Bianca, has performed well in southern Florida

**BEIT ALPHA, MINI CUCUMBER**
- Manar: 6"- 6.75" fruit, approximately 1" diameter, strong powdery mildew resistance
- Jawell: 6.25"- 6.6" fruit, partial powdery mildew resistance

**LOOSE LEAF LETTUCE—GREEN**
- Tropicana – heavy, bright green leaves, good heat tolerance, slow to bolt, has performed well in northern and southern Florida
- Two Star – proven standard, has good flavor and tolerance to bolting and tip burn
- Panisse – lime green leaves, dense heads, has performed well in tower and floating systems
- Concept – summer crisp, heavy leaves with good heat tolerance, has performed very well in northern and southern Florida
LOOSE LEAF LETTUCE—RED

- Galactic – proven standard
- New Red Fire – heat tolerant medium red, slow to bolt
- Magenta – bi-color summer crisp with heavy leaves, pairs nicely with Tropicana and Concept
- Mottistone – speckled summer crisp, showy attractive foliage, has performed consistently well in northern Florida (school lunch programs have rejected red and speckled varieties in Live Oak, prefer green varieties)
- Cherokee – dark burgundy leaves, performs consistently well and has been an eye-catching favorite of workshop attendees in Live Oak
- FireCracker – performed poorly in southern Florida, bolted and bitter, in northern Florida performed moderately but wilts quickly as the weather warms

ROMAINE LETTUCE—GREEN

- Green Forest – likely the best romaine for Florida, not as susceptible to tip burn as Coastal Star or Ridgeline
- Coastal Star – showed more heat tolerance and less tip burn
- Ridgeline – best for romaine hearts
- Coastal Star and Ridgeline performed good to moderate in NFT trial conducted in Live Oak in 2012

ROMAINE LETTUCE—RED

- Outredgeous – medium red variety, has performed consistently in Live Oak
- Flashy Troutback – eye-catching speckled variety, has been used for past 4 years in Live Oak, always favored by workshop attendees (not preferred by school lunch programs)
- Breen – mini romaine, performed well in NFT trial in mild temperatures but susceptible to tip burn when temperatures increase

BIBB and BUTTERCRUNCH LETTUCE

- Rex – green, industry standard, has exceptional heat tolerance, consistent and attractive, performed well in tower, float, and NFT systems
- Adriana – green, loose habit, attractive, heat tolerant
- Rhazes – Little Gem type, dark red foliage, bright green heart

SPINACH

- Space – proven variety in northern Florida
- Double Choice – rust resistant, performed well in Live Oak during the Spring
- Tyee – bolt resistant, favorite of growers in southern Florida
**MUSTARD**
- Red Giant – standard red variety, does well in raised beds, towers and float systems
- Southern Giant – tried and true industry standard, pairs well with Red Giant
- Florida Broadleaf – Florida field variety
- Green Wave – lightly frilled leaf edges, slow to bolt
- Garnet Giant – darker red than Red Giant, bolts faster than others

**SWISS CHARD**
- Bright Lights – go-to variety, performs well in various medias and systems including towers, floats, and containers; will tolerate moderate temperatures in early summer but susceptible to root disease in floats during high heat
- Neon Lights – comparable to Bright Lights, has more distinct stalk colors

**KALE**
- Toscano – large flat leaf, favored by southern Florida growers for performance
- Red Russian – heirloom variety with mild flavor, attractive grey serrated leaves that develop purple tones during cool weather, good choice for edible landscaping

**CARROT**
- Nelson – Nantes type, 6”- 7” root, high yielding, high quality
- Parmex – specialty type, small radish shape, sweet and consistent; will work well in shallow containers
- Yellow Sun – Kuroda type, light yellow, 4”- 6”, sweet
- White Satin – pure white roots, slender and attractive
- Purple Haze – dark purple skin with bright orange centers, must be fully matured for good color; striking carrot for farmers market sales

**EDIBLE FLOWERS**
- Nasturtiums – Alaska Mix, good mix of flower colors, attractive variegated foliage, both flowers and foliage are edible
- Viola – Johnny Jump-up, Sorbet Mix
- Basil – sweet, delicate flowers, varieties are endless
- Calendula – Déjà Vu, attractive petals, have very short shelf life

**CHIVES**
- Staro – did best in our variety trials
- Garlic – large flat leaf, performs well in heat and cold, great for NFT and float systems as well as containers
**BASIL**

- Genovese – classic Italian variety, not as consistent growth habit as Nufar, does not tolerate cold temperatures
- Nufar – large Italian leaf, very uniform, will not tolerate cold temperatures
- Blue Spice – attractive delicate leaves, tolerates cooler temperatures than Italian leafed varieties, attracts pollinators, sweet floral fragrance
- Purple Ruffle – attractive serrated leaves, tends to be leggy
- Amethyst Improved – consistent dark opal foliage, anise scent, pairs nicely with green sweet leaf types

**Note:** Other herb crops grown successfully in Live Oak include, but are not limited to: rosemary, lavender, cilantro, dill, fennel, thyme, cutting celery, parsley, sweet marjoram, sage, lemon balm and various mint varieties.

For more information, call the Suwannee Valley Agricultural Extension Center at 386-362-1725.