

Tonight's Presentation

- Choosing varieties
- Changing the way you grow tomatoes
- Preserving tomatoes
- Questions

Choosing A Variety

- Indeterminate vs Determinate
- Heirloom vs Hybrid
- Late vs Early
- Taste
- Variety performance varies by environment (GxE)

Fruit Color

Carotenoid level

L y c		Low	High
o p e n	Low	White	Yellow
l e v e	High	Red	Orange
7			

Disease Resistance

Tomato	Resistance Codes
(AS)	Alternaria Stem Canker
(CRR)	Corky Root Rot
(EB)	Early Blight
(F)	Fusarium Wilt (Race 1)
(F2)	Fusarium Wilt (Races 1 & 2)
(F3)	Fusarium Wilt (Races 1, 2 & 3)
(FOR)	Fusarium Crown and Root Rot
(GLS)	Gray Leaf Spot
(LB)	Late Blight
(LM)	Leaf Mold
(N)	Nematodes
(PM)	Powdery Mildew
(TMV)	Tobacco Mosaic Virus
(ToANV)	Tomato Apex Necrosis Virus
(ToMV)	Tomato Mosaic Virus
(TSWV)	Tomato Spotted Wilt Virus
(TYLCV)	Tomato Yellow Leaf Curl Virus
(V)	Verticillium Wilt













From: Johnny's Seeds

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HR: — Hir	HR: = High Resistance IR: = Intermediate Resistance			

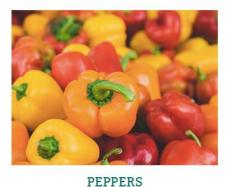
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CROP SUMMARIES

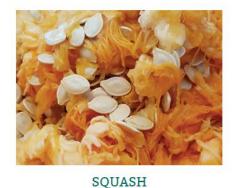


Slicers, Heirlooms and breeding lines

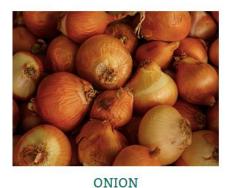
TOMATOES



Bell, Corno di Toro, Snack and Milder Hot.



Small, Standard and Specialty
Butternut



Red and Yellow Storage



Orange Bunching and Storage



Green and Red Curly



Little Gem and Butterhead



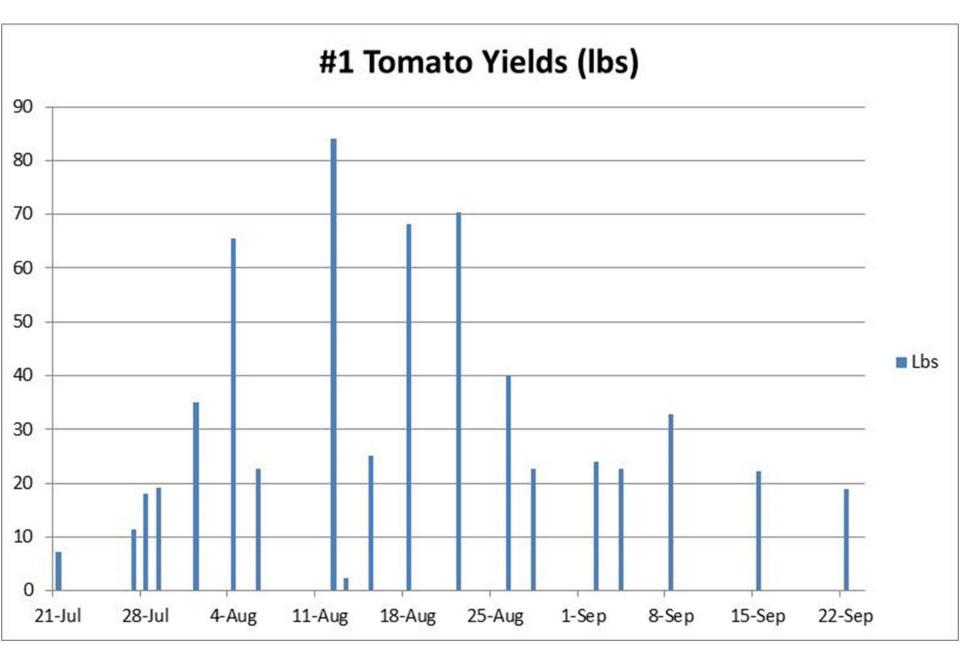
Cantaloupe

UW-Madison Seed to Kitchen Collaborative

Changing How You Grow Tomatoes







1.6 lbs/sq ft





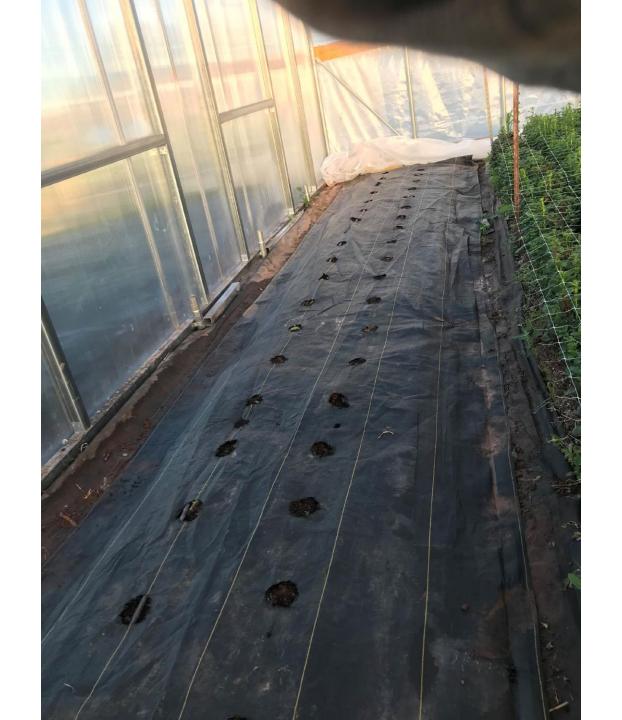


1. Shop the diversity and buy your own seeds

2. Start Your Own Plants Or Contract For A Flat (or two)

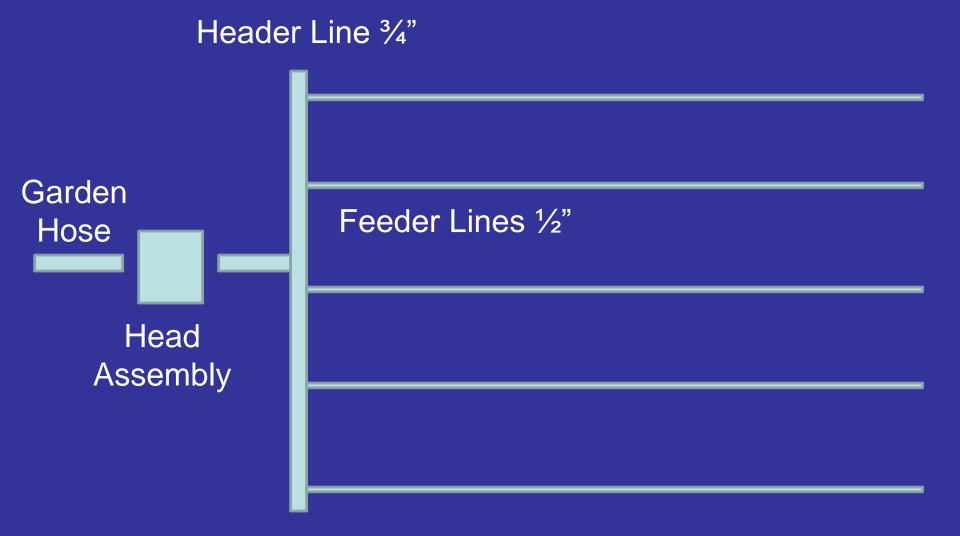
- Start in one-inch cells (72 cell flats)
- Transplant into 4-inch pots
- 60 to 80 degrees is optimal
- Harden for 1-2 weeks
- Plant deeper than in pot

3. Use reusable landscape fabric to conserve moisture and reduce spore splashing





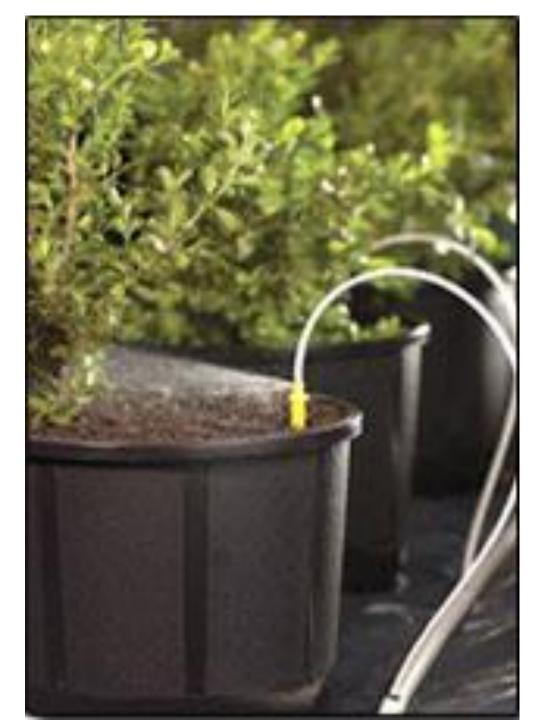
4. Use Drip Irrigation



Drip Tape or Poly Tube Feeder Lines

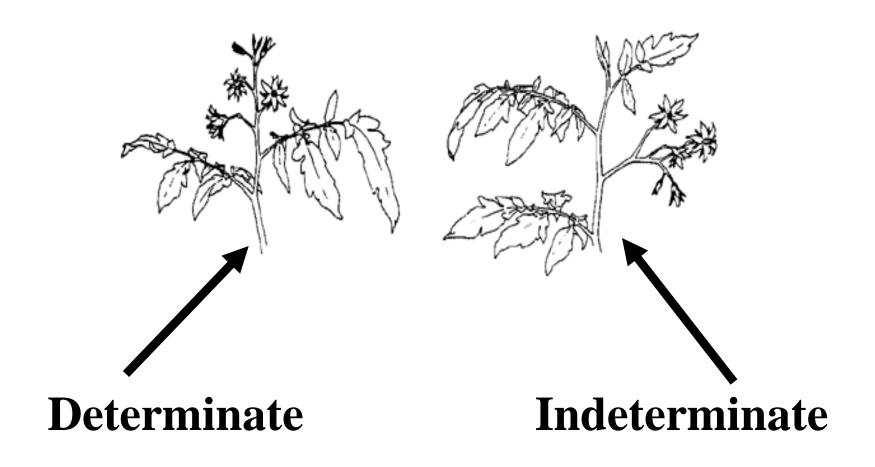


Drip irrigation works for pots, too

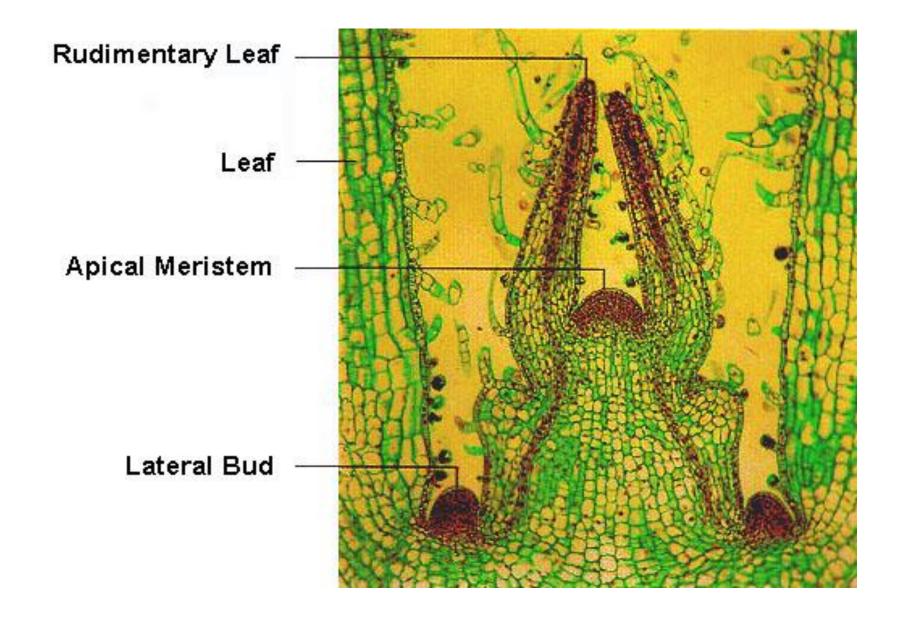


5. Focus on training and pruning

Plant Growth Habits

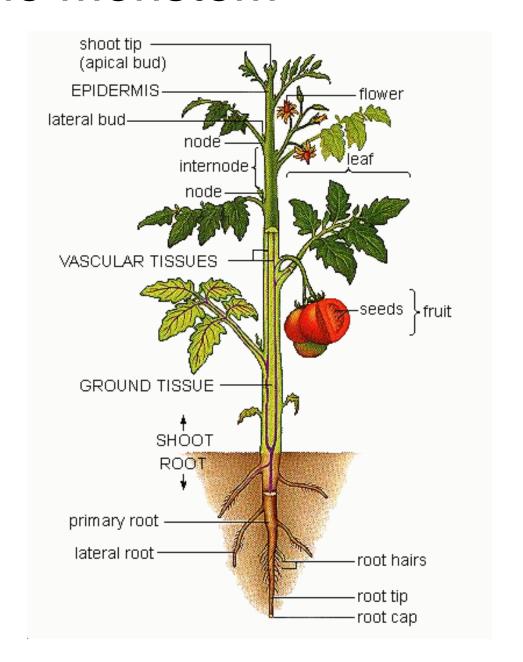


The Meristem



The Meristem

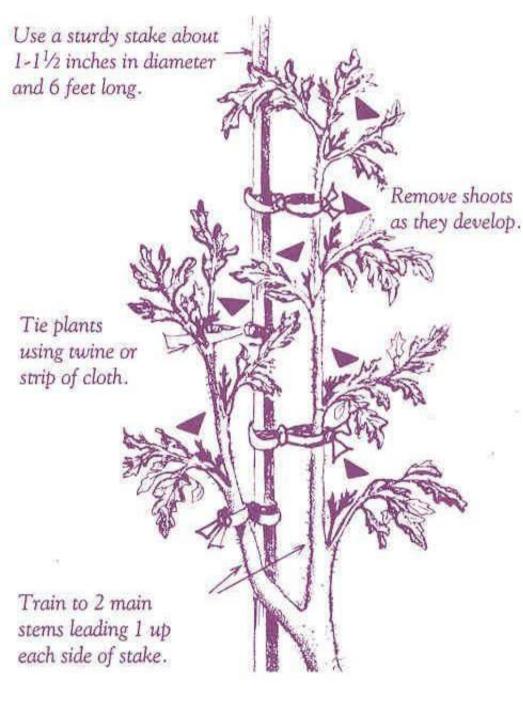
All of the diverse plant structures we see originate from the meristem.



Suckers
(aka
"laterals")
can be
problematic







Pruning and Staking

- Leave one or two main stems
- Remove suckers between leaves and main stem
- Remove suckers before they get 2 ½ inches long



Pruning and Trellising

- Staking
- Caging
- Single-String
- Florida weave



Horizontal Trellis (Florida Weave)



Basket Weave







Soil and Fertility

- Test your soil for P and K
- Add organic matter
- Avoid manure (unless it is very well-rotted)
- Add fertilizer at planting (if necessary)
- Add fertilizer when first fruits are golf ball size
- Mulch 2-4 inches

Fertilizing Tomatoes



Soil Test

Sandy soils low organic matter ~6 oz./plant 10-10-10

Heavy soils with higher organic matter ~4oz. 5-20-20

DO NOT over apply nitrogen

promotes vegetative growth decreases fruit production increases chance of diseases

- 8-32-16 or 6-24-24 when soil is being worked (1lb per 100 sq ft)
- 3 lbs per 100 sq ft calcium nitrate when first fruits are formed