Coming to Terms: Sustainable, Organic Permaculture, Biodynamics, Companion Planting & Polycultures and more...

<u>IPM</u>

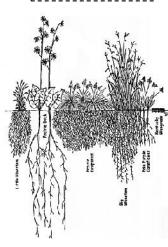
- cultural
- mechanical
- biological
- chemical RTBL

fertilizers
mulches
amendments
perfection:
let it go

Pruning

structural
thinning-liftingreductiondeadwooding
line clearing
disease control
pollarding/topiary
topping/stubbing

native/endemic non-native exotic naturalized adapted "nativar" vigorous invasive



Soil: biotic/abiotic texture structure water/air flora/fauna mycorrhizal fungi sustainable organic ecologically - conscious

Permaculture Biodynamic

Ecology
relationships
interactions → energy exchanges

a plant is a living, dynamic organism
woody: tree - shrub - vine
subshrub
herbaceous: perennial - biennial - annual
• tender perennial

cultivar - clone hardiness - appropriateness

beneficial insect attractor dynamic/bio-accumulator (N-fixer) nectary/pollen plant trap plant, aromatic confuser food/herbal plant

GW vs. GCC

shifts: seasonal/species distribution

Ecosystem Services

- erosion control
- · climate control
- air purification
- water purification and a whole lot more



<u>Design</u>

- conventional
- cultural
- therapeutic
- allergy-free
- GI (green infrastructure)
- ecological
- biophilic

Procreation:

sexual → classic propagation
asexual → cuttings, grafting, TC (tissue culture),
GMO/GE, transgenic plants

Debra Knapke, The Garden Sage dknapke@columbus.rr.com 2016 www.heartland-gardening.com