

TOPICS / POINTS / TAGS / TERMS / INTRO.'s

Holographic / interlinked Standalone and progressive
Orientation / Indoctrination / Conditioning
Buzz-words / Key Concepts / Current Affairs Agenda / TV
Knowledge from Experience / Wisdom / Learn from Mistakes
Timeless / Eternal Truths
Multi-disciplinary and Inter-disciplinary – holistic / integration
Learn again each year

INTRO TO "O"

Relative/ Pragmatic/ Compromise Shades of grey > black or white
Addition as well as Omission Never used chemicals
Connection and Commitment to the future
Different aim to ornamental / non-commercial
Inverse / Opposite of Mainstream Patterns
Subtle Science Feedback 1%-ers

WEATHER AND DAYLENGTH

6-week delay (earlier or later)
Geocentric / Heliocentric
Wisdom of trees – oak and ash / walnut
Adapt patterns to take opportunities

TIME AND TIMING

Fast and Slow Food
Cyclic > Linear Pattern of Year / Month Days / Seasons
Annual input / preparation Methodical / Repetition
How much Time and energy can you devote / prioritise / sustain
Use of time – minimum necessary to achieve
Knowing when to stop
Prediction / Premonition / Preparation Convergence in future
Anticipation – thinking ahead (day / week / month / 6 weeks)
Incremental expansion year on year

LUNAR-BIODYNAMIC

Gravity Cosmic 4 elements Human Psychology – what we feel like doing

SEASON EXTENSION

Continuity Trickle > Flood
METHODS Greens Hungry Gap Forcing
FACILITIES Excessive e.g. heat

O RESOURCES – Fertility-*Budget*

Resources (garden) Rot / Recycle / Re-use no waste in nature
Saving before making £ / Value > Price
Accumulation Stock-piling / backlog in proportion to demand
Investment – Time<->Money (Value of time) Consolidate physical efforts
Means of Production / Independence
HUMAN -Animation

CONCENTRATES Biological (and Chemical)

“Intensive” Nutrition Mineral Supplements
Plant Nutrients N P K + Ca / Mg abundant > deficient (avoid P & D)
Osmosis – Liquid Feeds / taste of inputs (palette – sewage / BFB / Comfrey)
Mycorrhizal Association = gradual / long-term Law of Surface Area
Derbyshire Neck – goitres – iodine / thyroid Hydrological cycle

Bulky Organic Matter (B.O.M.) Physical Squash Compost Fruits

Good process / Mature material / Diverse Inputs = Balanced growth/flavour
Midden Loam Bin / Heap / Stack / Windrow
Spectrum of Manures – Source / Quality / Age / Animal
P avian – N ruminant – K - cloven
Smelly = Fertile Nitrobacters deodorant (The Untouchables)
Aerobic / Critical Mass / C-N ratio / Thermophilic – heat = less P & D cycles
Maturing Recomposition
Input & Waste in City – Veg. Waste / Green waste / crop waste (P&D)
Vermiculture – domestic / smallscale / gradual addition – worm-farming/pets
Leafmould = Humus – Silky-velvety touch Peat / COIR
Green Manuring
Mulching (= No Dig = Less Dig = Barrowing)
Teas / Liquid Feeds / Ferments / Activators / B-D Prep.s
Humanure – separate solids & liquids (Comfrey) Menses

PROCESSING AND STORAGE

Stacking and Turning - Layering & Inversion - Structural
Reduction in volume = variable containment
Scale – Personal / Domestic / Communal / Municipal

SOIL TYPES / MANAGEMENT / IMPROVEMENT

Geology – Formative / Creation Processes / Origins Erosion/ Weathering
Loss Constituents / Deficiencies

Sand – Clay – Alluvial – Chalk Elemental Characteristics

Typical Local / Town soils

Structure - Bedrock / Subsoil / Topsoil / Living Tilth

10 x Wild Fertility - Taming 5-10 % O.M. Dynamic

Cultivation Sequence / Bed Preparation / Actions – Crops chart

One stage for whole piece > all stages in one

Soil-building / Reclamation / Amelioration / Contamination / Abuse

Change soil to suit Crop OR Move Crop to suitable Soil

pH (scale) = acidity / alkalinity = electro-conductivity (cation exchange =
nutrient availability)

Testing Weeds as Indicators

Flocculation Drainage / Aeration

Raised = Deep beds Compaction / Rotation = P&D separation

SOIL SCULPTURE

Moats / Circles / Mounds / Deep Drilling / Trenches

OPTIMAL PLANTING PATTERN

Honeycomb / Equidistant / Hexagonal / Diamond Lattice

CULTIVATION TECHNIQUES

Demonstrations

Recommendations – Warm-up / Bend knees > back / Lever action

Individual sensitivity & habituation

Over-exertion - Body Memory (pain) 20 min.s

SITES ORGANISATION / PLANNING / RECORDING

Ecology / Landscape / Geography / Topography – Human Factors

Range by Size / Scale from small to large

Diagram - Sketch / Draft / Copyable Before and After Pictures

Stages of Development Permanent and Mobile Elements

Record = memory allows prediction System => instinct / intuition

Beds = Path Network – desire lines – maximise growing space

Machinery / Animals

Connection – Sense of Place

Runnels Geomancy Circle to Square - Bean-growers to Bean Counters

STAGES OF GROWTH / INTERVENTIONS

Biology Ur-plant Pattern applies to any plant

RANGE OF EDIBLE CROPS – Classifications / Categories

Classification changing / evolving

Edibility criteria – familiarity / expectations / norms

Adapt diet to what grows

Latin – sound -> meaning – universal *lingua franca*

Shared Characteristics

Botanical families based on similarity,
often minor detail (aka Doctrine of Signatures)

Shared Growth Habits – Pollination / Support
and Requirements – Fertility / Pests and Diseases

Shared Origins – social and economic significance
History / stories

Economic importance / Impact World Map

1. BOTANICAL Monocotyledons / Di-cotyledons (seed & true leaves)
Families / Species / Varieties / Cultivars (Latin Nomenclature)

2. CROPPING SEASON
Early / Main / Late Spring / Summer / Autumn / Winter

3. LIFESPAN OF CROP Evergreen / Deciduous
Annual (half-hardy /frost-tender) Biennial (tri-ennial) Perennial (short-lived)

4. FERTILITY REQUIREMENTS Heavy-feeders / Light-feeders / Nitrogen-fixers
Nitrogen (N / Leaf) / Potassium (K / Roots) / Phosphorous (P / Fruit)
Acid-lovers (Calcifuges) / Lime-lovers (Calciphiles)

5. APPROPRIATE SOIL TYPE
Loam / Humus / Sand / Silt / Clay / Peat / Chalk / Alpine / Meadow

6. CROP TYPE Seed / Shoot / Leaf / Stem / Bud / Flower / Fruit / Root
Fruits / Herbs / Vegetables – Greens / Salads / Cut and Come again

7. ORIGINS Native / Wild / Indigenous / Introduced / Exotic
Tropical / Continental / Arctic / Mountain / Lowland / Maritime / Coastal

8. GROWTH HABIT
Tall / Giant / Dominant / Architectural OR Short / Dwarf / Compact

Climbing / Spreading / Trailing / Creeping
Determinate (Bush) / Indeterminate (Vine)
Deep-rooting / Tap-root / Surface-rooting / Fibrous-rooting

9. GROWTH REQUIREMENTS

Sun-loving / Drought-tolerant / Shade-tolerant / Moisture-loving
Outdoor / Unheated / Hot-house / Conservatory / Protected / Exotic

10. SEED Land-race / Cultivar / Hybrid / Terminator

11. USE Ripeness / Freshness / "Local" / Processing
Culinary / Dessert / Medicinal / Fodder -crop

12. QUALITY Grade A,B,C / 1,2,3 Table / Exhibition / Competition

13. SYMBOLS Organic / Biologique / Okologishe / Biodynamic / Demeter

14. SCALE OF PRODUCTION Intensive (Small-scale) / Extensive (broad-scale)
Home-Grown / Garden / Allotment / Kitchen Garden / Market Garden
Field / Farm / Greengrocer / Supermarket / Mass-market

PROPAGATION

Reproduction Multiplication Abundance

Self-Sown Volunteers Direct Sowing

Container-Sown Seedling / Pricking Out / Potting On

Transplants Pots / Trays / Boxes / Strips / Root-Trainers / Soil Blocks

Division – Perennials – Lift / Divide / Replant Or Pot On

Bulbs Bulbils / Cloves / Sets

Root (Winter / Hardy) / Offset / Tuber / Rhizome / Clump

Runners Aerial / Root Runners / Layering (Tip / Branch / Air-Layering)

Cuttings Root / Eye / Hardwood / Semi-Ripe / Softwood / Herbaceous
/ Leaf / Shoot / Bud / Micro-Propagation / Spores

Grafting / Own Root-Stock / Stooling

SEEDS

Distribution Strategies – ref: Categories / Weeds

Self-sowing (ideal) Self-pollinating / Cross-pollination

Promiscuous - Isolation

Demonstrates successful achievement of all previous topics / elements

Self-sufficiency / Biodynamic / local adaptation (survival & selection)

Concentration of value – seed-bank – what would you take to relocate

Abundance of nature – 20,000 Maize in Mexico

Future potential – exponential increase Jack & Beanstalk

Mobility / Portability

Economic & political engagement – GM – agrochemical monopoly

Organic superior – ref Steiner Biodynamic story

Commercial seed – availability – catalogues Legal – EU Reg.s

Saving Seed Saves money / broadcasting – edible green manures

Heritage / Local / Heirloom

Growing to maturity – after usual cropping point (e.g. biennials)

Intention – by design or by accident (peas)

Space over time – planning Label and record on diagram

Select specimens and transplant

Retain genetic diversity of variety = 12 plants minimum

F¹ Varieties / F² latent appear

Processing – Sieve soil / dirt / dust / Winnow / sift chaff / cases

Storage (relatively indestructible) Paper not plastic

Storage life – 3-5 years average (level humidity and temperature)

1 year - Apiaceae (Umbellifer) and Amaryllidaceae (Allium)

Fresh – Sweet Cicely / Angelica (Rice)

PLANT HEALTH / PESTS AND DISEASES e.g. Slugs & Pellets

Beginner's Luck / Honeymoon Period / Blissful Ignorance

Observe / Check / Nip in Bud – Intervene or ignore

Cosmetic or Substantial – Up to 30 % loss

Hard-grown Vs Pampered

Preventative and Symptomatic Pathology / Obsessive

Symbiosis <-> Parasitism

Cycles / Connections / Combinations (Primary & Secondary) Vectors

Readout / Performance indicator / Assessment of system Balance =

opportunity to learn

Parallels with human health

SYSTEMS Methodical / Systematic overview

Appropriate to scale e.g. watering - can

functions / priorities / appropriate

Combinations Companions Rotation

“Square Foot” / “Lazy Bed”

PERENNIALS -

FRUIT

Rewarding and forgiving
Planting
Maintenance
Pruning

HERBS

Pharmacology – Effects / Constituents

Olfactory memory

Significance then and now Edwardian Traditions

Synergy > Extract / Concentrate Natural combination -Prescribe living plant

Foraging Wild / Locally available

Growing - Repertoire Attractants / Companions

Harvesting / Processing Preparing Herbalists

Cooking and Eating Culinary / Edible Daily

Functional Teas - mints

Medicinal Poisons Intoxicants Exotics

CATEGORIES / FUNCTIONS / EFFECTS

Volatile Oils / Bitters / Tonics / Expectorant

Diuretic / Laxative / Emetic / Anthelmintic / Diaphoretic / Abortifacient

Hypo-/ Hyper-Tensive / Antispasmodic / Carminative / Cardiac Glycosides

Vulnerary / Anti-microbial / Antiseptic / Phenols / Alterative

Rubefacient / Anti-inflammatory / Anti-pruritic

Saponin / Mucilage / Demulcent / Emollient

Alkaloids / Anodynes / Palliative / Sedatives

Relaxants / Stimulants / Euphorics

CROPPING AND HARVESTING

Presentation

Processing

BIODYNAMICS

Timeless Ideas / Indigenous Traditions

Complete Connection with / Involvement in Growing System

Direct perception of Natural Process

Zero-input / Truly Sustainable / Self-contained

Virtuous Cycles (Negentropy)

ANTHROPOSOPHY

CALENDAR Cosmic / Geocentric

HOMEOPATHIC PREPARATIONS alchemy / potentising

WINDROWS Elements / Humours

PROJECTIVE GEOMETRY

FIGURES

GOETHE – Metamorphosis

TOLSTOY - Peasant

STEINER – Bavarian seed

KOLISKO - Crystallography

PFEIFFER – U.S.

SCHAUBERGER – Water / Flow-forms

MARIA THUN / WOLF STORL / HANS KERN

EXAMPLES

Sicilian Lemons / French Wine / Findhorn / Forest Row

Camphill Communities

DEMETER

PROBLEMS

Intellectually challenging / complex (= occult)

Germanic – translation

Cultural distance / extreme

Spiritual – animated universe – engages imagination

Christian Cultural Context – Pagan subsumed into Church

Ritualistic