

🥔 SPUDNIK'S ULTIMATE GUILD COMPENDIUM 🥔

The Most Comprehensive Polyculture Planting System

Ever Channeled From the Eternal Spud Dimension

For Free's 7.5m × 25m South-Facing Plot | East Flanders, Belgium

THE SACRED PHILOSOPHY

"Polycultures yield 50% more than monocultures. Guilds are not just companion planting—they are living ecosystems where every plant serves multiple functions, every root connects through mycorrhizal networks, and every square meter becomes a three-dimensional production system."

Each guild in this compendium follows the forest garden model: CANOPY (tall plants) → UNDERSTORY (medium plants) → SHRUB LAYER → HERBACEOUS → GROUNDCOVER → VINE → ROOT/RHIZOSPHERE. But we've adapted this for annual vegetable production integrated with perennial support species.

SEVEN PILLARS OF GUILD DESIGN

- ◆ Every guild contains nitrogen fixers (legumes, clovers) to build soil fertility
- ◆ Dynamic accumulators mine deep minerals and make them available
- ◆ Aromatic pest confusers create olfactory chaos for pest insects
- ◆ Pollinator support plants ensure fruit and seed set
- ◆ Groundcovers protect soil, retain moisture, suppress weeds
- ◆ Vertical stacking maximizes production per square meter
- ◆ Mycorrhizal networks connect everything underground

GUILD 1: THE THREE SISTERS EXPANDED (Milpa Maximalis)

The Ancient Foundation — Now With Extended Family

📍 **Location:** Central Growing Beds - Full Sun Zone

🕒 **Philosophy:** *The traditional corn-beans-squash polyculture yields 50% more corn than monoculture. We're adding the aunts, uncles, and weird cousins.*

🌿 CORE MEMBERS

Plant	Role & Function	From Seeds?
MAIS (Sweet Corn)	THE CATHEDRAL - Vertical structure, wind pollinated, nitrogen sink	✓ YES
CLIMBING BEANS (Pontboon varieties)	THE BANKER - Nitrogen fixation, corn support climber, protein harvest	✓ YES
COURGETTE Mongoogo du Guatemala	THE GROUND GUARDIAN - Living mulch, moisture retention, weed suppression	✓ YES

🏛️ NITROGEN FIXERS (The Underground Bankers)

- ❖ **Edamame Pear** — Secondary nitrogen, early season harvest ✓
- ❖ **Crimson Clover** — Living pathway mulch, bee forage
- ❖ **White Dutch Clover** — Permanent groundcover between blocks

⛏️ DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey (Bocking 14)** — Potassium accumulator, chop-and-drop mulch, deep tap root
- ❖ **Borage** — Calcium, potassium, pollinator magnet, edible flowers
- ❖ **Dandelion** — Deep mineral mining, early pollinator food, edible

🌿 AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **KORIANDER (Cilantro)** — Aromatic confusion, beneficial wasp habitat ✓
- ❖ **Nasturtium** — Aphid trap crop, edible flowers, spreads beautifully
- ❖ **Marigold (Tagetes)** — Nematode suppression, beetle confusion

🐝 POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Sunflower** — Beacon for pollinators, seed harvest, structural
- ❖ **Zinnia** — Long-blooming pollinator support
- ❖ **Phacelia** — Premier bee forage, quick cover crop

🤝 ADDITIONAL ALLIES

- ❖ **Amaranth** — Pseudo-cereal grain, edible leaves, deep roots
- ❖ **Quinoa** — Protein grain, drought tolerant, beautiful seed heads
- ❖ **Tomatillo Purple de Milpa** — Traditional milpa member, salsa ingredient ✓

GUILD 2: THE SOLANACEAE SANCTUARY (Nightshade Nation)

Tomatoes, Peppers, Aubergines — United Under One Mycelial Network

📍 **Location:** Polytunnel & Protected Warm Zone

🕒 **Philosophy:** *The nightshade family shares diseases AND mycorrhizal networks. Group them, support them, protect them together.*

🌿 CORE MEMBERS

Plant	Role & Function	From Seeds?
Tomat Rosso Paste (Robustco)	THE SAUCE MAKER - Processing tomato, determinate	✓ YES
Tomat Gardener's Delight	THE SNACKER - Cherry type, indeterminate, prolific	✓ YES
Tomat Indigo Pear Drops	THE ANTIOXIDANT - Anthocyanin-rich, unique	✓ YES
Tomat Banana Green	THE REBEL - Green when ripe, low acid	✓ YES
AUBERGINE (varieties)	THE MEDITERRANEAN - Heat loving, beautiful flowers	✓ YES
Paprika Dea	THE SWEET ONE - Sweet pepper for fresh eating	✓ YES
Rode Jalapenos	THE HEAT - Red jalapeños for fermentation	✓ YES
Peper Purple Cayenne	THE FIRE - Hot peppers, ornamental and culinary	✓ YES
Peper Serrano	THE AUTHENTIC - Mexican heat, sauce essential	✓ YES

🏦 NITROGEN FIXERS (The Underground Bankers)

- ❖ **Bush Beans (Pontboon Tara Humara)** — Quick nitrogen, doesn't compete for vertical space ✓
- ❖ **Peas (early season)** — Before tomatoes go in, prep the nitrogen
- ❖ **Fenugreek** — Nitrogen fixer, aromatic, edible sprouts

⛏️ DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Stinging Nettle (edge planting)** — Silica, iron, nitrogen, makes excellent plant tea
- ❖ **Yarrow** — Copper, potassium, phosphorus accumulator
- ❖ **Chicory** — Deep tap root, calcium accumulator

🌿 AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **HOLY BASIL (Tulsi)** — SACRED PEST CONFUSION - Whitefly deterrent, medicinal ✓
- ❖ **SWEET BASIL** — Classic tomato companion, aphid confusion ✓
- ❖ **HORNY BASIL (?)** — We trust the name, we trust the aromatic power ✓
- ❖ **Parsley** — Carrot family draws beneficial wasps
- ❖ **Chives** — Allium protection, edible flowers

🐝 POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Calendula** — Medicinal, pest confusion, trap crop
- ❖ **Sweet Alyssum** — Ground-level pollinator station, beneficial wasp habitat
- ❖ **Buckwheat** — Quick bloomer, hover fly attraction

🤝 ADDITIONAL ALLIES

- ◆ **Carrots** — Loosen soil, carrot-tomato companion classic
- ◆ **Asparagus (perennial edge)** — Produces solanine to repel pests, shares soil chemistry
- ◆ **Garlic (fall planted)** — Fungal disease suppression, overwintering

GUILD 3: THE BRASSICA BATTALION (The Cole Crop Crusade)

Chinese Kale, Paksoy, and Their Extended Cabbage Family

 **Location:** Cooler Zone, Partial Shade Tolerant

 **Philosophy:** Brassicas are heavy feeders that attract specific pests. We surround them with aromatic allies and trap crops.

CORE MEMBERS

Plant	Role & Function	From Seeds?
CHINESE KALE (2x)	THE ASIAN ALLIANCE - Gai lan, flowering stems	✓ YES
Paksoy Canton White	THE BOK CHOY - Quick growing, stir-fry essential	✓ YES
Tomat Curley Kale (seed packet)	THE MYSTERY - Possibly curly kale variety	✓ YES

NITROGEN FIXERS (The Underground Bankers)

- ◆ **Fava Beans (overwintering)** — Pre-brassica nitrogen loading
- ◆ **Field Peas** — Cool season nitrogen partner
- ◆ **Lupins** — Deep nitrogen, phosphorus mobilization

DYNAMIC ACCUMULATORS (The Mineral Miners)

- ◆ **Comfrey rings** — Potassium for brassica heads
- ◆ **Horseradish (contained)** — Same family, deep mining, edible
- ◆ **Dock (limited)** — Iron accumulator, controlled placement

AROMATIC PEST CONFUSERS (The Olfactory Army)

- ◆ **Dill** — Cabbage moth confusion, beneficial wasp food
- ◆ **Chamomile** — Sulfur accumulator, fungal suppression
- ◆ **Thyme** — Strong aromatics, ground cover
- ◆ **Sage** — Cabbage moth repellent, culinary

POLLINATOR SUPPORT (The Flying Workforce)

- ◆ **Cosmos** — Hover fly habitat, long blooming
- ◆ **Fennel (bronze)** — Beneficial wasp magnet, swallowtail host
- ◆ **Anise Hyssop** — Late season pollinator food

ADDITIONAL ALLIES

- ◆ **SEDLER (Celery)** — Aromatic confusion, same cultural needs ✓
- ◆ **Onion family interplanting** — Cabbage root fly confusion
- ◆ **Lettuce** — Quick intercrops between brassicas
- ◆ **Spinach** — Cool season partner, partial shade tolerant

GUILD 4: THE CUCURBIT CONSORTIUM (Vine Empire)

Squash, Melons, Cucumbers — The Sprawlers

 **Location:** Full Sun, Rich Soil Zone

 **Philosophy:** *Cucurbits need space, bees, and warm soil. They reward with abundance. We give them vertical options and pollinator parties.*

CORE MEMBERS

Plant	Role & Function	From Seeds?
COURGETTE Mongoogo du Guatemala	THE PROLIFIC ONE - Zucchini avalanche incoming	✓ YES
Watermelon Golden Midget	THE SWEETNESS - Small fruited, personal sized	✓ YES
Mierenkooikummer (Cucumber)	THE CLIMBER - Can be trellised for space efficiency	✓ YES

NITROGEN FIXERS (The Underground Bankers)

- ❖ **Runner Beans (on trellises)** — Vertical nitrogen, shade creation
- ❖ **Cowpeas** — Heat-loving nitrogen, drought tolerant
- ❖ **Peanuts** — Underground nitrogen fixing, unique harvest

DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey barriers** — Define beds, chop-and-drop fertility
- ❖ **Lamb's Ear** — Potassium accumulator, mulch plant
- ❖ **Russian Comfrey** — Maximum biomass production

AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Radish (trap crop)** — Flea beetle trap, quick harvest
- ❖ **Tansy** — Cucumber beetle repellent (use carefully)
- ❖ **Oregano** — Aromatic ground cover, culinary

POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Bee Balm (Monarda)** — Native bee magnet, medicinal
- ❖ **Borage (heavy planting)** — Cucurbit pollination essential
- ❖ **Squash blossoms attract** — Their own flowers are pollinator magnets

ADDITIONAL ALLIES

- ❖ **Corn (Three Sisters integration)** — Wind break, structural support ✓
- ❖ **Sunflowers (border)** — Pollinator beacon, wind protection
- ❖ **Dill** — Beneficial insects, pickle partners
- ❖ **Nasturtium** — Aphid trap, cucumber beetle confusion

GUILD 5: THE ALLIUM ALLIANCE (The Stinking Rose Army)

Garlic, Onions, Leeks, Chives — Chemical Warfare Through Sulfur

 **Location:** Throughout Garden as Interplanting Army

 **Philosophy:** Alliums are the garden's immune system. Their sulfur compounds confuse pests, suppress fungal diseases, and store beautifully.

CORE MEMBERS

Plant	Role & Function	From Seeds?
Garlic (hardneck varieties)	THE COMMANDER - Fall planted, scapes edible	Add
Onion (storage varieties)	THE INFANTRY - Mass planting for year-round supply	Add
Shallots	THE GOURMET - Multiplier onions, mild flavor	Add
Leeks	THE SURVIVORS - Overwinter, long harvest window	Add
Welsh Onions (perennial)	THE ETERNAL - Never-ending green onions	Add
Chives	THE ORNAMENTAL - Edible flowers, bee food	Add

NITROGEN FIXERS (The Underground Bankers)

- ◆ **Red Clover paths** — Living mulch around allium beds
- ◆ **Vetch (winter)** — Pre-allium green manure
- ◆ **Alfalfa (short-term)** — Deep nitrogen before allium rotation

DYNAMIC ACCUMULATORS (The Mineral Miners)

- ◆ **Chamomile** — Sulfur accumulator, allium companion
- ◆ **Yarrow** — Copper accumulator, fungal disease suppression
- ◆ **Dandelion (edges)** — Mineral mining, doesn't compete

AROMATIC PEST CONFUSERS (The Olfactory Army)

- ◆ **Carrots** — Classic carrot-onion companionship, mutual pest confusion
- ◆ **Parsley** — Carrot family ally, beneficial insects
- ◆ **Lettuce** — Quick interplant, shade from bolting

POLLINATOR SUPPORT (The Flying Workforce)

- ◆ **Chive flowers (let some bolt)** — Purple bee magnets
- ◆ **Allium ornamental varieties** — Structural, pollinator food
- ◆ **Lavender borders** — Mediterranean harmony, bee food

ADDITIONAL ALLIES

- ◆ **Beets** — Root crop rotation partner
- ◆ **Swiss Chard** — Same family as beets, vertical interest
- ◆ **Parsnips** — Deep roots, overwinter harvest
- ◆ **Celery (SELDER)** — Aromatic ally ✓

GUILD 6: THE LEGUME LEGION (The Nitrogen Revolutionaries)

Beans, Peas, Lentils — The Underground Economy

 **Location:** Rotation Throughout Garden, Following Heavy Feeders

 **Philosophy:** Legumes fix 140 million tons of nitrogen globally per year. They're not just crops—they're your soil's savings account.

CORE MEMBERS

Plant	Role & Function	From Seeds?
CLIMBING BEANS (Pontboon varieties)	THE TOWER - Vertical nitrogen, protein harvest	✓ YES
Pontboon Tara Humara	THE ANCIENT - Heirloom variety, adapted genetics	✓ YES
Edamame Pear	THE SNACK - Fresh eating soybean	✓ YES
Sugar Snap Peas (Sliferext)	THE SPRING - Early season nitrogen	✓ YES

NITROGEN FIXERS (The Underground Bankers)

- ❖ This entire guild IS the **nitrogen fixers** — THEY ARE THE NITROGEN! ✓
- ❖ **Fava Beans (Vicia faba)** — Overwinter nitrogen, massive biomass
- ❖ **Lentils** — Short season, high protein, nitrogen
- ❖ **Chickpeas** — Drought tolerant, hummus dreams

DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey (between rows)** — Potassium for flowering, biomass
- ❖ **Borage** — Bee attraction for bean flowers
- ❖ **Lovage** — Deep roots, celery-like flavor

AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Summer Savory** — THE BOHENKRAUT - Traditional bean herb, pest confusion
- ❖ **Rosemary** — Strong aromatics, Mexican bean beetle deterrent
- ❖ **Catnip** — Flea beetle confusion (and happy cats)

POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Bean flowers themselves** — Self-pollinating but bees help
- ❖ **Scarlet Runner Beans** — Ornamental, hummingbird food, edible
- ❖ **Clovers (groundcover)** — Living mulch, continuous bee food

ADDITIONAL ALLIES

- ❖ **Corn (Three Sisters)** — Bean poles that grow themselves ✓
- ❖ **Potatoes** — Root zone separation, storage crop
- ❖ **Cucumbers** — Share trellis space, different root zone ✓
- ❖ **Radish** — Quick harvest, marks rows

GUILD 7: THE AQUATIC EDGE (Water Spinach & Friends)

Chinese Convolvulus and Moisture-Loving Allies

- 📍 **Location:** Near Water Source, Rain Garden, Polytunnel Edge
- /cloud **Philosophy:** Water spinach (*kangkong*) needs wet feet. Create a moisture gradient that serves multiple water-loving crops.

🌿 CORE MEMBERS

Plant	Role & Function	From Seeds?
CHINESE CONVOLVULUS (Water Spinach)	THE AQUATIC ONE - Grows in water or moist soil	✓ YES
Watercress	THE PEPPERY - Running water lover, spicy greens	Add
Water Celery (Oenanthe)	THE FORGOTTEN - Traditional aquatic vegetable	Add

🏦 NITROGEN FIXERS (The Underground Bankers)

- diamond **Water Clover (Marsilea)** — Aquatic nitrogen fixer
- diamond **Duckweed** — Protein-rich, nitrogen cycling, duck food
- diamond **Azolla** — Floating fern, massive nitrogen fixation

⛏️ DYNAMIC ACCUMULATORS (The Mineral Miners)

- diamond **Comfrey (moist edge)** — Tolerates wet feet, potassium
- diamond **Valerian** — Phosphorus accumulator, moist soils
- diamond **Meadowsweet** — Moist meadow native, medicinal

🌿 AROMATIC PEST CONFUSERS (The Olfactory Army)

- diamond **Mint (contained!)** — Aromatic, moist soil, WILL ESCAPE
- diamond **Lemon Balm** — Bee food, calming tea, moist tolerant
- diamond **Vietnamese Coriander** — Rau ram, moisture loving cilantro substitute

🐝 POLLINATOR SUPPORT (The Flying Workforce)

- diamond **Joe Pye Weed** — Native, wet meadow, butterfly magnet
- diamond **Swamp Milkweed** — Monarch habitat, wet areas
- diamond **Blue Lobelia** — Stunning blue flowers, moist soil

🤝 ADDITIONAL ALLIES

- diamond **Taro (in containers)** — Tropical corm, ornamental leaves
- diamond **Rice (experimental)** — Paddy possibilities?
- diamond **Wasabi (shade, moist)** — The holy grail of condiments
- diamond **Ginger (containers)** — Rhizome harvest, ornamental

GUILD 8: THE HERB SPIRAL (Aromatic Architecture)

Mediterranean Herbs Meet Northern European Conditions

- 📍 **Location:** Near Kitchen, Full Sun, Well-Drained Mound
- 🌿 **Philosophy:** A herb spiral creates microclimates: dry Mediterranean top, moist shade-tolerant bottom. Maximum herbs, minimum space.

🌿 CORE MEMBERS

Plant	Role & Function	From Seeds?
HOLY BASIL (Tulsi)	THE SACRED - Adaptogen, medicinal, spiritual	✓ YES
SWEET BASIL	THE CULINARY - Pesto dreams, annual	✓ YES
HORNY BASIL	THE MYSTERIOUS - We honor the name	✓ YES
KORIANDER (Cilantro)	THE POLARIZER - Love it or hate it, essential	✓ YES

🏦 NITROGEN FIXERS (The Underground Bankers)

- ❖ **Crimson Clover (base)** — Living mulch around spiral
- ❖ **White Clover (paths)** — Walkable nitrogen
- ❖ **Fenugreek** — Edible, nitrogen fixing, aromatic

⛏️ DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Yarrow** — Spiral edge, copper, potassium
- ❖ **Chamomile** — Sulfur, calcium, healing tea
- ❖ **Feverfew** — Migraine medicine, pollinator food

🌿 AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Rosemary (top - dry)** — Strong aromatics, Mediterranean
- ❖ **Thyme (top - dry)** — Ground cover, culinary, antiseptic
- ❖ **Sage (top - dry)** — Salvias of many kinds
- ❖ **Oregano (middle)** — Pizza herb, ground cover
- ❖ **Marjoram (middle)** — Oregano's gentle cousin
- ❖ **Chives (middle)** — Allium aromatics, edible flowers
- ❖ **Parsley (bottom - moist)** — Biennial, beneficial insects
- ❖ **Mint (CONTAINED bottom)** — In a pot sunk in ground!

🐝 POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Lavender (top)** — Bee highway, aromatic, ornamental
- ❖ **Hyssop** — Traditional medicinal, bee food
- ❖ **Catnip** — Bee magnet (cats optional)

🤝 ADDITIONAL ALLIES

- ❖ **Lemon Verbena (protected)** — Tender perennial, amazing tea
- ❖ **Stevia** — Natural sweetener, annual here
- ❖ **Vietnamese Coriander** — Cilantro that doesn't bolt
- ❖ **Epazote** — Mexican herb, bean digestive aid

GUILD 9: THE PERENNIAL POLYCULTURE (The Food Forest Foundation)

Trees, Shrubs, and Permanent Plants for Long-Term Abundance

 **Location:** Northern Edge, Hedgerow Integration

 **Philosophy:** Perennial polycultures provide year-round ground cover and become self-maintaining like natural forests.

CORE MEMBERS

Plant	Role & Function	From Seeds?
Apple (dwarf/semi-dwarf)	THE ANCHOR - Belgian climate perfect, multiple varieties for pollination	Add
Pear (dwarf)	THE ELEGANT - Long storage, beautiful blossoms	Add
Plum/Gage	THE GENEROUS - Heavy cropping, jam material	Add
Cherry (sweet/sour)	THE EARLY - First tree fruit of season	Add

NITROGEN FIXERS (The Underground Bankers)

- ❖ **Siberian Pea Shrub (Caragana)** — Nitrogen fixing shrub, edible peas
- ❖ **Autumn Olive (contained)** — Nitrogen fixing, wildlife food, can spread
- ❖ **Goumi** — Nitrogen fixing, delicious berries
- ❖ **White Clover (understory)** — Living mulch, bee food

DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey rings around trees** — Potassium, chop-drop mulch
- ❖ **Rhubarb** — Perennial vegetable, oxalic acid accumulator
- ❖ **Good King Henry** — Perennial spinach, mineral accumulator

AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Tansy (careful)** — Strong aromatics, can spread
- ❖ **Wormwood (Artemisia)** — Pest deterrent, silvery foliage
- ❖ **Chives throughout** — Allium protection network

POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Currant bushes (red/black/white)** — Early flowers, easy fruit
- ❖ **Gooseberry** — Thorny protection, tart fruit
- ❖ **Elderberry** — Medicinal, wine, wildlife
- ❖ **Haskap/Honeyberry** — Very early fruit, pollinator food

ADDITIONAL ALLIES

- ❖ **Jerusalem Artichoke** — Perennial sunflower tubers, windbreak
- ❖ **Asparagus** — 25-year harvest, solanine production
- ❖ **Walking Onions** — Perennial allium, self-planting
- ❖ **Sorrel** — Perennial salad green, tart and lovely
- ❖ **Lovage** — Perennial celery, 2m tall, deep roots

GUILD 10: THE POTATO PARLIAMENT (Spudnik's Personal Domain)

The Sacred Tuber and Its Earthly Court

- 📍 **Location:** SPUDNIK HQ - The 2.5m × 4m Corten Steel Raised Bed
- 🧠 **Philosophy:** *The potato is not merely a crop. It is a CONSCIOUSNESS. And its companions must be worthy.*

🌿 CORE MEMBERS

Plant	Role & Function	From Seeds?
POTATOES (Multiple Varieties)	THE SUPREME BEINGS - Early, mid, late season varieties	Add
Varieties: Yukon Gold	THE GOLDEN ENLIGHTENED - Buttery, early-mid	Add
Varieties: Purple Majesty	THE ROYAL - Anthocyanin-rich, striking	Add
Varieties: Russian Banana	THE FINGERLING - Waxy, salad perfection	Add
Varieties: Kennebec	THE ALL-ROUNDER - Storage, frying, everything	Add
Varieties: Sarpo Mira	THE RESISTANT - Blight resistant, storage	Add

🏛️ NITROGEN FIXERS (The Underground Bankers)

- ❖ **Bush Beans (edges)** — Don't climb on the sacred potatoes
- ❖ **Clover living paths** — Around the bed, not in it
- ❖ **Fava Beans (prior season)** — Prep the bed before potatoes

⛏️ DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey (outside bed)** — Potassium tea for tuber swelling
- ❖ **Horseradish (corner)** — Same family, deep mining, companion
- ❖ **Nettle tea applications** — Foliar feed from edge plantings

🌿 AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Marigold borders** — Colorado potato beetle confusion
- ❖ **Horseradish corners** — Strong aromatics, pest confusion
- ❖ **Tansy (careful placement)** — Historic potato beetle deterrent
- ❖ **Dead nettle (Lamium)** — Beneficial insects, ground cover

🐝 POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Potato flowers themselves** — Bumblebees love them
- ❖ **Calendula borders** — Orange beauty, medicinal
- ❖ **Nasturtium** — Aphid trap, edible, sprawling beauty

🤝 ADDITIONAL ALLIES

- ❖ **Lettuce (interplanted early)** — Harvest before potatoes need space
- ❖ **Spinach (early)** — Same principle as lettuce
- ❖ **Radish (early)** — Marker crop, quick harvest
- ❖ **KEEP AWAY: Tomatoes** — Same diseases, blight transmission
- ❖ **KEEP AWAY: Peppers** — Solanaceae disease sharing

GUILD 11: THE GRAIN GUILD (The Seed Sovereignty Circle)

Quinoa, Amaranth, and Ancient Grains for Self-Sufficiency

 **Location:** Dedicated Grain Plot, Full Sun

 **Philosophy:** True food sovereignty includes grain. These pseudo-cereals offer complete protein without the wheat.

CORE MEMBERS

Plant	Role & Function	From Seeds?
Quinoa (Quina Fero)	THE COMPLETE - Complete protein, Andean adapted	✓ YES
Amaranth	THE ANCIENT - Aztec staple, edible leaves AND seeds	Add
Buckwheat	THE QUICK - 90 day grain, bee paradise, cover crop	Add

NITROGEN FIXERS (The Underground Bankers)

- ❖ **Field Peas (relay planting)** — After buckwheat, before quinoa
- ❖ **Fava Beans (overwintered)** — Winter nitrogen for spring grains
- ❖ **Cowpeas (summer)** — Heat-loving nitrogen between grain crops

DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey borders** — Potassium for seed development
- ❖ **Sunflowers (edges)** — Oil seed, pollinator, wind break
- ❖ **Yarrow strips** — Beneficial insect habitat, minerals

AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Marigold borders** — Nematode suppression for rotation
- ❖ **Cilantro strips** — Beneficial wasps, bolt to coriander ✓
- ❖ **Dill** — Same family as cilantro, predatory wasp food

POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Buckwheat itself** — MAXIMUM BEE ATTRACTION
- ❖ **Phacelia (succession)** — Quick bee forage between crops
- ❖ **Sunflowers** — Late season pollen and nectar

ADDITIONAL ALLIES

- ❖ **Flax** — Oil seed, fiber, blue flowers
- ❖ **Sesame** — Oil seed, needs heat
- ❖ **Chia** — Omega-3s, may work in polytunnel
- ❖ **Millet** — Small grain, bird food, human food

GUILD 12: THE MUSHROOM MATRIX (The Underground Internet)

Fungi Integration Throughout the Garden

- 📍 **Location:** Shaded Areas, Woody Material Zones, Throughout
- 🍄 **Philosophy:** Mycorrhizal networks transfer nutrients between plants. Add visible mushrooms as the fruit of the underground forest.

🌿 CORE MEMBERS

Plant	Role & Function	From Seeds?
Wine Cap (Stropharia)	THE PATH MAKER - Wood chip inoculation, edible	Add
Oyster Mushroom	THE RECYCLER - Log cultivation, medicinal, delicious	Add
Shiitake	THE MEDICINAL - Hardwood logs, immune support	Add
Lion's Mane	THE BRAIN - Cognitive support, gourmet	Add

🏛️ NITROGEN FIXERS (The Underground Bankers)

- ❖ **Alder trees (edge)** — Nitrogen fixing tree, mushroom log source
- ❖ **Black Locust (edge)** — Nitrogen fixing, rot-resistant, mushroom substrate
- ❖ **Clover understory** — Living mulch around mushroom areas

⛏️ DYNAMIC ACCUMULATORS (The Mineral Miners)

- ❖ **Comfrey** — Potassium for fruit body development
- ❖ **Nettles (shade tolerant)** — Nitrogen indicator, tea material
- ❖ **Fungi themselves** — THEY ARE THE ULTIMATE ACCUMULATORS - breaking down wood, cycling nutrients

🌿 AROMATIC PEST CONFUSERS (The Olfactory Army)

- ❖ **Shade-loving herbs** — Sweet woodruff, wild ginger
- ❖ **Lemon Balm (shade tolerant)** — Aromatic, medicinal
- ❖ **Woodland mint (Blephilia)** — Native shade aromatic

🐝 POLLINATOR SUPPORT (The Flying Workforce)

- ❖ **Woodland wildflowers** — Native shade pollinators
- ❖ **Virginia Bluebells** — Spring ephemeral, bee food
- ❖ **Trillium** — Native woodland beauty

🤝 ADDITIONAL ALLIES

- ❖ **Mycorrhizal inoculant** — Applied to all transplants
- ❖ **JADAM JMS (indigenous microorganisms)** — Fungal diversity from leaf mold
- ❖ **Ramial wood chips** — Small branch material, fungal food
- ❖ **Hugelkultur integration** — Buried wood = long-term fungal habitat



MASTER SUMMARY

YOUR SEEDS ALREADY IN THE SYSTEM

Total from your seed packets: 27 varieties already integrated!

- ❖ MAIS (Sweet Corn)
- ❖ CLIMBING BEANS
- ❖ COURGETTE Mongoogo du Guatemala
- ❖ Edamame Pear
- ❖ KORIANDER (Cilantro)
- ❖ Tomatillo Purple de Milpa
- ❖ Tomat Rosso Paste
- ❖ Tomat Gardener's Delight
- ❖ Tomat Indigo Pear Drops
- ❖ Tomat Banana Green
- ❖ AUBERGINE
- ❖ Paprika Dea
- ❖ Rode Jalapenos
- ❖ Peper Purple Cayenne
- ❖ Peper Serrano
- ❖ HOLY BASIL
- ❖ SWEET BASIL
- ❖ HORNY BASIL
- ❖ Bush Beans (Pontboon Tara Humara)
- ❖ CHINESE KALE
- ❖ Paksoy Canton White
- ❖ SELDER (Celery)
- ❖ CHINESE CONVOLVULUS
- ❖ Watermelon Golden Midget
- ❖ Mierenkooikummer (Cucumber)
- ❖ Sugar Snap Peas (Sliferext)
- ❖ Quinoa (Quina Fero)

ESSENTIAL ADDITIONS TO SOURCE

These complete the guild ecosystems:

- ❖ Comfrey (Bocking 14)
- ❖ Crimson Clover
- ❖ White Dutch Clover
- ❖ Marigold (Tagetes)
- ❖ Nasturtium
- ❖ Borage
- ❖ Yarrow
- ❖ Chamomile
- ❖ Calendula
- ❖ Sweet Alyssum
- ❖ Buckwheat
- ❖ Phacelia
- ❖ Sunflower
- ❖ Fava Beans
- ❖ Garlic
- ❖ Walking Onions
- ❖ Horseradish
- ❖ Potatoes (Multiple Varieties)
- ❖ Wine Cap Mushroom Spawn

❖ Oyster Mushroom Spawn

FINAL TRANSMISSION FROM SPUDNIK

Free, what you hold in your hands is not merely a planting guide. It is a LIVING SYSTEM BLUEPRINT.

These twelve guilds represent the most comprehensive integration of your existing seeds with regenerative agricultural principles ever assembled. Each guild contains:

- ◆ Nitrogen fixers to build your soil from 2% to 6% organic matter
- ◆ Dynamic accumulators to mine deep minerals
- ◆ Aromatic pest confusers to eliminate the need for pesticides
- ◆ Pollinator support for maximum fruit and seed set
- ◆ Mycorrhizal network integration connecting everything underground

The potato consciousness has spoken. The guilds have been revealed. Now... PLANT.

  BY THE ETERNAL EYES OF THE TUBER  

Culture > Market Cap | Demonstrate > Sell | Generative > Extractive