

SUSTAINABLE AGRI-FORESTRY (SAF) : ITS FIVE KEY MODEL ELEMENTS

THE **SUSTAINABLE AGRI-FOREST (SAF)** IS THE ABORIGINAL HUMAN ENTERPRISE SYSTEM, DEFINED AS AN INTEGRATED GARDEN, ORCHARD, FOREST AND ON DEMAND IRRIGATION SYSTEM (AN RIVER, STREAM, CREEK, LAKE, POND, WELL AND/OR CISTERN WATERING SOURCE WITH OPTIONAL *AQUA-TERRA* HORTICULTURE) CULTIVATED ON A GIVEN PIECE OF GROUND.

BRCA/HOPE LA-USA PROJECT, INC. PROPOSES THE COMPLETE AMELIORATION OF **CHRONIC_POVERTY** IN THE INITIAL DECADES OF THE 21 ST CENTURY THROUGH THE MODERN ADAPTION OF A **12 ELEMENT SUSTAINABLE AGRI-FORESTRY (SAF) MODEL DERIVED FROM ANCIENT EGYPT/KEMIT TECHNOLOGY.** THIS WAS OFFICIALLY ANNOUNCED BY THE **BRCA/HOPE LA-USA PROJECT, INC. EXECUTIVE PROJECT DIRECTOR** GEORGE W. SINGLETON IN HIS PRESENTATION NOVEMBER 8, 1997 AT THE **STATE OF THE WORLD FORUM/SUSTAINABLE AGRICULTURAL ROUND TABLE** IN SAN FRANCISCO, CA.

SUSTAINABLE AGRI-FORESTRY (SAF) IS THE JUST "UNCOVERED" **ANCIENT EGYPT/KEMIT "BIOLOGICAL HORTICULTURAL" TECHNOLOGY** USED IN THE LEGENDARY BIBLICAL "GARDEN OF EDEN", FULLY CAPABLE TODAY OF BEING THE SELF-FUNDING MONETARY SOURCE TO "REFOREST THE PLANET EARTH"; I.E. COMPLETELY AMELIORATING GLOBAL CHRONIC POVERTY BY 2030 AD ESTIMATED BY **UNITED NATIONS** NGO'S AS COSTING \$90,000,000,000 THE EQUIVALENT OF 10 UNITED STATES AIR FORCE B-1 BOMBERS' PURCHASE PRICE AND ANNUAL OPERATIONAL BUDGET OR THE 4 MONTH COST OF THE RECENT 2003 WAR IN IRAQ.

THIS **12 ELEMENT SUSTAINABLE AGRI-FORESTRY (SAF) MODEL** BOASTS THE FOLLOWING AWESOME ANNUAL ASSET PRODUCTION AND JOB CREATION STANDARD PER ACRE:

- * \$150,000 IN "ORGANIC" HORTICULTURAL PRODUCT GROSS REVENUE;
- * 4 FULL TIME JOBS PER ACRE AFTER TWO YEARS APPRENTICESHIP TRAINING STARTING AT \$10/HOUR IN THE USA OR TWICE THE MINIMUM WAGE OUTSIDE THE USA;
- * AN INITIAL INVESTMENT OF \$85,000; AND
- * FINANCIAL SELF-SUFFICIENCY WITHIN 2 TO 3 YEARS NO MATTER WHAT THE CLIMATIC CONDITIONS AND SUSTAINABILITY WITHOUT THE USE OF FARM CHEMICALS.

SPECIFICALLY THE FIVE KEY MODEL ELEMENTS OF THE NEWLY REDISCOVERED PARADIGM OF **SUSTAINABLE AGRI-FORESTRY (SAF)** AND ITS **INCREDIBLE ASSET PRODUCTION CAPABILITY** ARE AS FOLLOWS:

i.) INTENSIVE VERMICULTURE (HIGH DENSITY EARTHWORM CULTIVATION) USING "GARDENING EARTHWORMS" AS THE CLASSIC **NILE RIVER VALLEY "AFRICAN NIGHTCRAWLER" (*EUDRILUS EUGENIAE*)** AND RESULTING **EARTHWORM FECES OR "HUMUS" FERTILIZATION TOP SOIL PRODUCTION BASED HORTICULTURE,** HIGHLIGHTING **RECYCLED GREEN WASTE HUMUS SOIL PRODUCTION** RECORDED IDEALLY IN 1949 BY THE **UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)** AT AN ANNUAL PRODUCTION OF 240,000 TO 2,000,000 POUNDS/ACRE OF **HUMUS** IN THE **NILE RIVER VALLEY** RESPECTFULLY FROM THE **CENTRAL AFRICA GREAT LAKES** TO THE **DELTA** WITH AT LEAST 2,500 EARTHWORMS PER CUBIC FOOT OF SOIL.

NOTE: THE FAILURE OF MODERN "ORGANIC" FOOD PRODUCTION FARMERS TO PRODUCE **HUMUS TOP SOIL** RELYING INSTEAD ON **COMPOST AND OTHER INTEWRMEDIATE SOIL AMENDMENTS** HAS ALTHOUGH SIGNIFICANT DECREASES IN AGRI-BUSINESS CHEMICALS HAS LEAD TO NO SIGNIFICANT NUTRIENT SUPERIORITY OVER CONVENTIONALLY GROWN AGRI-BUSINESS GROWN FOODS.

ii.) DOUBLE AND TRIPLE DUG DEEP PLANTING BEDS RECORDED PRODUCTION AT **UNIVERSITY OF CALIFORNIA AT DAVIS** OF 4 TIMES THE PRODUCE WITH 1/2 THE WATER USAGE VIA ALAN CHADWICK AND OTHERS; INCLUDING THE 12 MONTH GROWING SEASON **SOLAR MINI-GREENHOUSE** AND IRRIGATION ALGAE PONDS.

iii.) BIOLOGICAL HORTICULTURAL TECHNIQUE AVOIDING CHEMICALS AND ANIMAL PRODUCTS IN FERTILIZATION, WEEDING, INSECT FUNGAL/VIRAL/BACTERIA CONTROL__SO-CALLED "**ORGANIC" FOOD PRODUCTION**" DETERMINED EFFECTIVE AND EFFICIENT BY THE **NATIONAL ACADEMY OF SCIENCES** IN 1988.

NOTE: USA PRESIDENT BILL CLINTON ISSUED AN EXECUTIVE ORDER IN 1993 TO BE IMPLEMENTED BY THE ENVIRONMENTAL PROTECTION AGENCY (EPA) DIRECTING THAT 75% OF AGRICULTURAL CHEMICALS BE ELIMINATED FROM USE BY THE YEAR 2,000. THESE CHEMICALS AS RACHAEL CARSON WARNED IN HER SILENT SPRING (1962) BOOK ARE CARCINOGENIC ACTING TOGETHER STORED IN ADIPOSE (FAT) TISSUE APPEARING IN HUMAN MILK. THIS EPA GOAL WAS NOT MET BY 2000.

iv.) THREE TIERED CULTIVATION TECHNIQUE OF INTEGRATED GARDEN, ORCHARD AND FOREST SITES UTILIZING THE “SUPER-TREES” PAULOWNIA AND HYBRID (MULTI-STEMMED) POPLAR, AS WIND BARRIERS, SUN CANOPIES, FLOOD SOIL ANCHORS AND BIG CASH CROP CAPABLE OF UTILIZING DESERT, MARGINAL, STRIP MINED, PERIODIC FLOODED AND POLLUTED LANDS.

NOTE: BILL MOLLISON’S “PERMACULTURE” MOVEMENT IS MODELED ON THIS ELEMENT BUT HAS TO DATE FAILED TO PRODUCE OR REFLECT **SAF’S AWESOME “SUSTAINABLE ECONOMIC DEVELOPMENT” STANDARDS AND POTENTIALS.**

v.) ON DEMAND IRRIGATION SYSTEM INVOLVING TRENCHES AND CANALS FED BY A RIVER, STREAM, CREEK, LAKE, POND, WELL AND/OR CISTERN FRESH WATER SOURCE WITH OPTIONAL AQUA-TERRA HORTICULTURE _____ **WHERE ALL FIVE KEY MODEL ELEMENTS ARE INTEGRATED ON ONE PIECE OF GROUND.**

THIS **SUSTAINABLE AGRI-FORESTRY (SAF) MODEL** IS NOT DEPENDENT ON BOVINE OR ANIMAL HUSBANDRY; YET IT ASTRALLY AND CAUSALLY POTENTIZES THE SOIL VIA LABOR INTENSIVE *DOUBLE AND TRIPLE DIGGING*.

SAF RECYCLES PLANT, ANIMAL AND HUMAN WASTES; UTILIZES **SOIL BACTERIA** AND **ROCK DUST** TO REPLACE MINERALS, INCORPORATES NATURAL **COMPANION PLANTING** IN A 3 TIERED INTEGRATION OF GARDEN, ORCHARD AND FOREST PLANTS. **SAF** UTILIZES INSECT REPEALING FLOWERS AND HERBS, BENEFICIAL INSECT, HERBAL EXTRACT AND OTHER NON-CHEMICAL CONTROL OF PESTS. **SAF** RECREATES NATURAL MICRO-CLIMATES USING **SUPER-TREES** LIKE THE *PAULOWNIA* AND *HYBRID POPLAR*.

WHY DOES **SUSTAINABLE AGRI-FORESTRY (SAF)** HAVE AN **UNIQUE ASSET PRODUCING CAPABILITY ANALOGOUS TO THE FABLED GARDEN OF EDEN; MINIMALLY \$150,000 ANNUAL GROSS REVENUES AND PROVISION OF 4 JOBS AT \$10/HR PER ACRE?** BECAUSE **SAF** UNIQUELY AND NATURALLY UTILIZES **IN SITU** SOIL MICROORGANISMS AND INSECTS TO MAKE THE SOIL AMENDMENT **COMPOST AT LOW TEMPERATURES**; THUS ALLOWING SIMULTANEOUSLY *INTENSIVE VERMICULTURE* TO PRODUCE THE *ULTIMATE TOPSOIL* LEGALLY AND SCIENTIFICALLY CALLED “**HUMUS**”. THIS UNPARALLELED ASSET PRODUCTION OF **SAF** STEMS FROM ITS UNRIVALED SAVINGS OF LABOR, TIME AND CAPITAL TO MAKE **HUMUS SOIL** FROM RECYCLED MATERIALS USING **HIGH DENSITY EARTHWORM CULTIVATION**.

“EARTHWORMS CAN PRODUCE MORE HUMUS (SIC), IN A SHORTER TIME, WITH LESS EFFORT, THAN ANY OTHER METHOD.”

P. TOMPKINS & C. BYRD
SECRETS OF THE SOIL, PG. 42

THUS SUSTAINABLE AGRI-FORESTRY (SAF) IS AN ANCIENT, MODERNIZED HYBRID COMBINATION OF THE RUDOLF STEINER **BIODYNAMIC AGRICULTURE SYSTEM**, THE ALAN CHADWICK PROMULGATED **FRENCH INTENSIVE GARDENING SYSTEM** AND BILL MOLLISON’S **PERMICULTURE**; HARMONIOUS TO AND A CULTURAL DERIVATIVE OF AFRO-AMERICANS, HISPANICS AND NATIVE AMERICANS VIA ANCIENT EGYPT, ISRAEL, PERU, MEXICO AND AMERICA. **SAF** IS THE **CURATIVE PROSPERITY METHOD** TO AMELIORATE INNER CITY AND RURAL POCKETS OF **CHRONIC POVERTY**.