



GREEN FARMING

Vol. 1 [Issues 1-6 (Bi-monthly), January 2010 to December 2010]

(Contents list available at www.greenfarming.in)

KEYWORD INDEX

A		Bioinoculants	115, 451,	Chhattisgarh	503
2,4-D Na	144	Biology	510	Chickpea	24, 128, 228,
Abiotic stress	347		400, 404,		276, 329
Acetamiprid	171		499, 621	Chilli	171, 260, 282,
Acetobacter	64	Biological control	623		447, 604, 638
Acid lime	62, 285	Biomass resources assessment	198, 320	Chilli crop growers	531
Actionomycetes	380	Biometric observations	288	Chrysanthemum	192
Additional yield	190	Bioneem	220, 330	<i>Chrysoperla carnea</i>	192, 400, 404
Additive variance	158	Biopesticide	618	Chrysopid predator	621
Adoption	303, 311, 505	Bioremediation	351	<i>Cicer arietinum</i>	228, 276
AEZ	487	Bio-Zied	41	<i>Citrus aurantifolia</i>	62, 285
<i>Agrobacterium tumefaciens</i>	551	Biparental	158	<i>Citrus sinensis</i>	239
Agronomic practices	221	Black caraway	106	Claims payment	279
Air carrier sprayer	615	Blackgram	148, 363,	Cluster	243
<i>Alium cepa</i>	411		456	CMS-based	221
<i>Alium sativum</i>	495	<i>Bombyx mori</i>	93, 186,	<i>Coccinella</i> spp.	192, 294
<i>Alternaria alternata</i>	41		190, 314,	Cocoon yield	87
Ammonical nitrogen	597		542, 545,	<i>Coleus forskohlii</i>	135
Annealing temperature	298	Bonesludge	651	<i>Colletotrichum gloeosporioides</i>	427
<i>Annona squamosa</i>	436	Botanicals extracts	148	<i>Collosobruchus maculatus</i>	654
Antagonists	515		46, 427,	Combining ability	236, 600
Anthesis	30	BPV	612, 638	Compound growth rate	649
Anthraxnose	427		542	Constraints	38, 97, 526
Aphids	171, 192, 294	<i>Brassica juncea</i>	111, 451	Contract farming	487
<i>Aphis craccivora</i>	404	<i>Brassica oleracea</i>	167, 477	Coppack's Instability Index	649
<i>Arachis hypogaea</i>	441, 539, 656	Breaching	209	Correlates	311
Area wide level control	606	Breeding programme	563	Cost-benefit analysis	20
Array	84	Brinjal	155, 438,	Cost-benefit ratio	128, 331
Arrivals and prices	276		508	Cotton	67, 294, 369,
Ashwagandha	246, 467	Brique	320		406, 459, 470,
<i>Aspergillus</i>	630	Broccoli	477		485, 510,
Attitude	206	Broiler finishers	163		518, 547
Average claims	279	Brown plant hopper	503	Cotton production	393
<i>Azadirachta indica</i>	46	Bt cotton	668	Cotyledon	336
<i>Azospirillum</i>	64, 148, 246	Bud development	30	Cotyledonary nodes	551
<i>Azotobacter</i>	246	Bulk density	518	Cow urine	425
<i>Azotobacter</i> and PSB	155	Bunding	209	Cowpea	115, 236, 336,
		<i>Bunium persicum</i>	106		341, 366
B				Credibility	531
<i>Beauveria bassiana</i>	186, 508			Critical	272
<i>B. theobromae</i>	41	<i>Cajanus cajan</i>	221, 257,	Critical period	470
B:C ratio	260		331, 526	Crop failures	212
Bacillus	70, 246, 630	Calcium	152	Crop planning	38
Bacillus subtilis	41	Calcium supper phosphate	41	Crop residues	14
<i>Bacillus thuriangiensis</i>	508	Calf rearing	434	Cropping system	141, 373,
Bacteria	380	Calibration	656		474, 572
<i>Bactrocera cucurbitae</i>	606	<i>Callosobruchus chinensis</i>	174	<i>Cryptolaemus montrouzieri</i>	499
Banana	55, 59, 219, 630	<i>Callosobruchus maculatus</i>	654	CSH-9, CSH-16	182
Basal application	360	<i>Calotropis procera</i>	318	Cucumber	46
Bawaji	600	Cane yield	266	Cue-lure	606
Beekeeping	641	<i>Capsicum annuum</i>	260, 282,	Culling	34
Benlate	41		447, 604	Cultures	336
Benzimidazoles	177	<i>Capsicum frutescens</i>	638	Custard apple	436, 612
Betelvine	576	Carbaryl	508	Cycocel	285
Bioagents	515	<i>Carica papaya</i>	584	<i>Cymbopogon martinii</i>	568
Bio-ARC	41	Carrier formulation	618	Cysteine protease enzyme	645
Biochemical changes	51	Castor	1, 263,	Cytoplasmic male sterility	6
Biochemical composition	602		274		
Biochemical traits	1, 30	Castor oil	174	D	
Biocompost	432	Categories of constraints	497	D2 statistics	243
Bioefficacy	171	Cauliflower	167	Damage	656
Bioenergy	198	Cellulolytic	380	Dairy farming	434
Biofertilizers	138, 148, 467	<i>Ceratovocuna lanigera</i>	74	Date of sowing	46
Biogas	198	<i>Cercospora raouvolfia</i>	633	Deep black soils (vertisols)	209
Biogas fuel	78	Character association	344	Deficit irrigation	108
		Chemical characterization	436, 580	Degradation	70

Dehiscence	30	Ficus carica	41	Growth regulators	285
Dehydration ratio	411	Field performance	539	Guava jam	662
Delinted cotton	390	Field capacity	539	<i>Guizotia abyssinica</i>	463
Density	215	Field problems	434	H	
Diesel	202	Field productivity	363	<i>Hasta bahar</i>	285
Direct seeded rice	120	Fig die-back	41	Heat tolerance	11
Disease incidence	510	Finger millet	144, 347	<i>Helianthus annuus</i>	232
Disease index	180	Fipronil	294	<i>Helicoverpa armigera</i>	102, 329
Dissimilarity analysis	298	Firmness	55	Herbicides	380, 591
Dorystenis	215	Floating materials	422	Herbigation	495
Drip fertigation	59	<i>Fluorescent pseudomonads</i>	591	Heritability	566
Drip irrigation	274, 360, 547	Fly ash	67	Hermaphrodite	30
Drip v/s surface	383	Foliar spraying	161	Heterobeltiosis	341
Drought susceptible index	228	Forskolin content & yield	135	Heterogeneity	563
Drought tolerance efficiency	228	Fractionation	451	Heterosis	6, 232, 341
Dry pod yield	604	Front line demonstrations	524	Heterotic	6
Dryer efficiency	323	Fruit quality	285, 584	High yield potentiality	87
Drying rate, time	411	Fungi	380	Hitlon sheet	422
Dryland agriculture technology	429	<i>Fusarium oxysporum</i>	1, 309	<i>Holotrichia serrata</i>	618
Durum wheat	600	<i>Fusarium solani</i>	41, 638	Honey production	163, 641
		FYM	27, 249, 257, 409, 451, 518, 521, 568	Horsegram	563
E				Human cancer cell lines	318
Earthworm	351	G		Hybrid rice	101
Eco-friendly management	46	GA3	64, 425	Hybrid seed production	221
Economic analysis	150, 491	Gamma rays	441	Hybrid vigour	542
Economic efficiency	474	Ganoderma	215	Hydraulic performance	90
Economic layout	659	Garlic	309, 495	Hypocotyl	336
Economics	20, 27, 383, 521, 641	Gasifier	198	I	
Economics organics	266	GCA	444	IAA	64
Edibility	67	Gene action	1	IC engine	78
Effectiveness	406, 429	Generation mean	1	Imidazolones	177
Efficacy	294	Genetic advance	566	<i>In situ</i> soil & water conservation	209
Electricity generation	198	Genetic divergence	11	<i>In vitro</i>	318
<i>Eleusine coracana</i>	144, 347	Genetic diversity	243, 563	<i>In vitro</i> cytotoxic	318
Employment	101	Genetic variability	566	Income and employment	487
EMS	441	Genotypes	46	Indebtedness	212
Endophyte	64	Geometry	59	Indian bean	427, 515
Endosulfan	220, 330	Germination	239, 654	Infestation	654
Endosulfan diol	70	Germination inhibitors	528	Infrastructure	497
Energy	84	Germplasm	447, 563, 636	Inhibitory effect	427, 515
Engine performance	202	Gherkin	487	INM	249, 263, 270, 463, 521, 576
Entomopathogenic fungi	618	G-I and G-II system	487	Innovation	303
Environments	444	Giberellic acid	55, 288	Inorganic fertilizer	253, 409
Enzyme	645	Glute	132	Inorganic tomatoes	491
<i>Epilachna beetle</i>	330	<i>Glycine max</i>	97, 141, 270	Insect pests	167
<i>Epilachna vigintioctopunctata</i>	330	Gooseberry candy	323	Instability	276, 393, 649
<i>Eucalyptus camaldulensis</i>	34	<i>Gossypium hirsutum</i>	390, 470	Integrated disease mgmt.	190
<i>Euphorbia nivulia</i>	645	<i>Gossypium</i> spp.	294, 510, 518, 547	Intercropping system	59, 128
Evaluation	20	Grain and cooking quality	559	Interpersonal communication sources	531
Evaporation losses	422	Grain mold	182, 626	Invigouration	363
Exhaust emissions	202	Grain protectants	512	IPM practices	290, 505
Explant	336	Grain protein & Hectoliter weight	600	<i>Ipomoea carnea</i>	612
Exponential trend	393	Grain quality	503	Iran	20
Extent of adoption & knowledge	206	Grain yield	27	Irrigation	463
Extracts	638	Grape vineyards	588	Irrigation frequency	221
F		Grasserie	190	Irrigation system	81, 659
Fadama	124	Green manure	120, 356, 604	Isoproturon	144
Farm solar dryer	323	Greengram	14, 138, 174, 373, 377, 409, 463, 524, 572, 636	ISSR	298
Farm yard manure	141, 155			IW/CPE ratio	480
Farmers opinion	434	Greenhouse crops	20	J	
Fed rations	163	Gross profit	128	Jassid	171
Feed supplement	535	Groundnut	360, 441, 539, 656	<i>Jatropha curcas</i>	597
Fenugreek	81	Groundnut residue	320	Jowar	531
<i>Ferrassia virgata</i>	621	Growth	24, 62, 163, 260, 276, 467, 547	Juice	217
Fertigation	274, 360, 383	Growth rates	393	K	
Fertilizer management	257, 406			Kaphal	217
Fertilizer recommendations	111			Khirmi seedlings	425
FFP	165				

Knowledge gain	97, 311, 406	Mulching	274	Packages	303
Knowledge retention	406	Multi x bi hybrid	87	Paddy	505, 594
L		<i>Mus musculus</i>	535	Palmarosa	568
Laboratory	656	<i>Musa paradisica</i>	55	Pan evaporation	547
Ladybird beetle	499	<i>Musa</i> sp.	630	Panchagavya	282, 360, 373, 572
Lady's finger	67	Mustard	111, 272, 351	Papaya	584
Land configuration	409, 459	Mustard oil	174	Parental lines	298
Land races	396	Mutants	441	<i>Parthenium hysterophorus</i>	623
Larval weight	545	<i>Myrica esculenta</i>	217	Parthenium weed	623
Laticiferous plant	645	N		Path coefficient analysis	311, 447
Leaf extracts	363	Naphthalene ball	174	PDH45	347
Leaf reddening	668	Natural enemies	102	Pearl millet	6, 243
Leaf spot	515, 633	Natural-mounting	93, 651	Pectin	662
Leafhopper	294	Neem based formulations	192	Pendimethalin	377
<i>Leucinodes orbonalis</i>	438, 508	Neem cake	638	<i>Pennisetum glaucum</i>	6, 243
Line x Tester	236	Neem oil	174, 330, 422	Performance	163
Linear programming model	38	Neonate noctuids	400	Pesticides	290
Linoleic acid	441	Net house condition	425	<i>Phaseolus mungo</i>	524
Linseed	128	Net profit	128	<i>Phenococcus solani</i>	499
Liquid formulation	618	<i>Nicotiana rustica</i>	158	<i>Phoma tropica</i>	515
<i>Liriomyza trifolii</i>	46	Niger	463	Phosphocompost	580
Livelihood	212	<i>Nilaparvata lugens</i>	503	Phosphorus	155, 432, 568
Lobia	654	Nimbecidine	220	Photosynthetic rate	480
Local malta	30	Nitrate nitrogen	597	<i>Phragmites karka</i>	664
Lucerne	594	Nitrification	597	Physical properties	456, 626
LUE	474	Nitrogen	155, 485, 568	Physico-chemical properties	55, 459
<i>Lycopersicon esculentum</i>	383	Nitrogen and spacing	477	Physiological loss	416, 419
Lysine	132	Nitrogen management	260	Physiological maturity	182, 626
M		Nitrogen savings	120	Pigeonpea	221, 257, 331, 444, 526
<i>Maconellicoccus hirsutus</i>	499	Nocardia	70	Pillipesara	604
<i>Macrosiphoniella sanborni</i>	192	Nodulation	115	<i>Piper betle</i>	576
<i>Macrotyloma uniflorum</i>	563	Non-monetary	24	Piston press	320
<i>Madhuca indica</i>	597	North carolina design III	158	Planter	656
Maize	64, 373, 572	NPK fertilizers	456	Plant spacing	485
Maize residue	148	NPK levels	135, 150, 518	Plant extracts	309
Male annihilation technique	606	NPK uptake	249	Plant growth	351, 386
<i>Mallada boninensis</i>	621	NSKE	220, 309	Plant growth regulators	62, 288
<i>Mangifera indica</i>	528	Nutrient addition	604	Plant spacing	221
Mango	288, 528, 615	Nutrient content	253	Planter	539, 656
<i>Manilkara achras</i>	152	Nutrient contribution	120	Planting distances	331
<i>Manilkara hexandra</i>	425	Nutrient management	14, 594	Planting geometry	383
Maturity	217	Nutrient requirement	150	Plastic tubs	422
Mealybugs	499	Nutrient sources	416	PM x FC2(SL)	87
Mean percentage score	497	Nutrient status	351, 584, 588	Pneumatic planting	390
Mechanical clipping	508	Nutrient uptake	186, 253, 604	Pod borer	329
Media mix	406	Nutrients	356	Pollen	239
<i>Medicago sativa</i>	594	O		Pollination	239
Membrane injury index	228	O/L ratio	441	Pongamia ethyl ester blend	202
Mercury	451	Oil yield	263	Pongamia oil	202, 612
<i>Metarhizium anisopliae</i>	508, 618	Oleic acid	441	<i>Pongamia pinnata</i>	597
Metering mechanism	539, 656	Olericulture	124	Population dynamics	167
Methionine	132	Onion	411, 416	Potassium	568
Mice feed	535	Optimum spacing	659	Potato	150
Microbial contamination	630	Optimum use	290	Poultry manure	141, 356
Micronutrient	568	Organic amendments	633	Power sprayer	615
Microorganisms	356	Organic and inorganic seed priming	366	Predatory potential	400
Microwave irradiation	386	Organic farming	369, 373, 572, 602	Prediction of yield	219
Milk coagulation	645	Organic fertilizer	521	Premium price	491
Milk stage	182	Organic manures	263, 282, 456, 467	Premium ratio	279
Mini sprinkler	495	Organic seed treatment	363	Pressmud	249, 432
Moisture regime	257, 495	Organic sources	416	Principle knowledge	406
Monetary inputs	24	Organic tomatoes	491	Probiotic	535
Moneylender	212	Organics	638	Production efficiency	474
Morphometrics	621	<i>Oryza sativa</i>	249, 253, 344, 559, 594	Profitability analysis	20
Mortality	215	P		Proteolytic	380
Mothbean	551	<i>P. cineraria</i>	215	PSB	155, 580
MPV	542			<i>Pseudomonas</i>	246
Mulberry	195, 298, 545			<i>Pseudomonas fluorescens</i>	633
Mulberry silkworm	190			<i>Psidium guajava</i>	662
Mulch	59			Pulse beetle	174, 654

Q

Quality	263, 282, 344, 373
Quantitative traits	542

R

Radiation	84
Raingun irrigation	90, 659
Raingun system	81
RAPD markers	74
Receptivity	239
Reducing sugar	132
Regeneration	215
Regression co-efficient	290
Rehydration ratio	411
Repellents	93, 651
Residual effect	463
Resistance	438
Resistant	396
Restorers	243
Rhizobium	115
Rhizosphere population	246
Rice	101, 165, 180, 344, 356, 380, 432, 456, 503, 559
Rice seed yield and quality	161
Rice sheath rot	51
<i>Ricinus communis</i>	1
Ripening	55
RLWC	228
Rock phosphate	580
Rocker sprayer	615
Root growth	425
Root vegetables	419
Root zone technology	664
Rotting	152, 416
Row ratios	331
Row spacings	331
Runoff	209

S

<i>Saccharum officinarum</i>	266
Salicylic acid	41
Salinity	347
Sapota	152
<i>Sarocladium oryzae</i>	51, 180
Sarpagandha	633
SCA	444
<i>Scirpophaga incertulas</i>	396
Scirpus	664
Screening	329
Screw press	320
Seasonal variation	276
Seaweed	138
Seed cotton yield	34, 459, 470
Seed hardening chemicals	161
Seed production	101, 167, 331
Seed quality enhancement	366
Seed storability	512
Seed weight	654
Seed yield	232
Seedling growth	288
Self help group	326
Self- mounting	314
Selfed progenies	158
Sensitivity analysis	20
Sequential cropping	594
Sericulture	303
Shear rate	662
Sheath rot	180
Shelf life	55, 152, 416
Shoot & fruit borer	220, 438

Shoot tip	336
Silkworm	87, 542
<i>Sitophilus oryzae</i>	512
SLF	138
Socio-economic	497, 531
Soil and water conservation	206
Soil biomass	351
Soil erosion	209
Soil health	165, 568
Soil micro-organism	380, 591
Soil nourishment	67
Soil nutrients status	584, 604
Soil properties	266, 369
Soil sampling	588
Soil test	111
<i>Solanum lycopersicum</i>	480
<i>Solanum melongena</i>	155, 438, 508
Solar dryers	411
Solar photovoltaic	84
Solar radiation	323
Sorghum	182, 512
Sorghum genotypes	626
Sorghum vulgare	555
Soybean	97, 141, 270, 649
Soybean residue	320
Specific linkage map	195
Spinning of cocoon	93, 314, 651
<i>Spirulina platensis</i>	535
<i>Spodoptera litura</i>	612
Spongy tissue	528
Spore forming bacilli	591
Spray deposition	615
Sprinkler	81
Spurious chemicals	290
SRI method	161
SSNM	165
SSR	298
Standard heterosis	559
Stem girth	219
Stomatal conductance	480
Storage	416, 495, 654
STR	165
Strain	115
Straw yield	27
Sub-montane zone	90
Sucking pests	400, 510
Sugarcane	74, 266, 618, 659
Suicide	212
Sulphur	132, 272
Sum insured	279
Sunflower	14, 232, 373, 572
Susceptibility	186
Sweet corn	521
Sweet orange	239
Sweet sorghum	555
SYI	474
Synthetic repellents	314, 651

T

Technological constraints	497
Technology	101, 303
Temperate fruit crops	108
Thixotropic	662
Three way cross	542
Tobacco	158
Tolerance	347, 396
Tolerant strains	70
Tomato	383, 480
Total sugars	217
Training	326, 429

Transpiration	480
Transplanted rice	249
Trap crops	46
Trap design	606
Tribal	311
<i>Tribolium castaneum</i>	177
<i>Trichoderma viride</i>	580
<i>Trichogramma chilonis</i>	508
<i>Triticum aestivum</i>	11, 27
<i>Triticum durum</i>	600
Tryptophan	132
<i>Turbinaria decurrens</i>	138
Turmeric seed rhizome	386
<i>Typha latifolia</i>	664

U

Uniform coefficient	90
---------------------	----

V

Vacuum infiltration	551
Variability	276, 344, 555
Vegetables production	20, 124
Vegetative hedgerows	518
Vermicompost	141, 148, 253, 356, 451
<i>Vigna aconitifolia</i>	551
<i>Vigna mungo</i>	148, 363
<i>Vigna radiata</i>	138, 174, 377, 409
<i>Vigna sinensis</i>	654
<i>Vigna unguiculata</i>	115, 236, 336
Vigour index	512
Viscosity	662
Vitamin C	217

W

Wastewaters	664
Water saving	547
Water storage	422
Watermelon	309
Weed control efficiency	144
Weed dry weight	470
Weed dynamics	144
Weed management	120, 377, 495
Wheat	11, 27, 132, 165, 177, 253, 602
White fly	171
White grub	618
Widespread application	664
Wilt	1, 309, 638
<i>Withania somnifera</i>	467
Wolly aphid	74
Women member	326
Wood block	606
WUE	474

X**Y**

Yellow mosaic virus	636
Yellow stem borer	396
Yield	24, 62, 120, 232, 282, 360, 432, 467, 477, 485, 547, 566
Yield attributes	566

Z

<i>Zea mays</i>	521, 566
Zero energy cool chamber	419
<i>Zygomma bicolorata</i>	623

