



GREEN FARMING

Vol. 3 [Issues 1-6 (Bi-monthly), January to December 2012]

(Contents list available at www.greenfarming.in)

KEYWORDS INDEX

A		Auxin	374	Briquetting technology	716
3-D structure	253	Available NPK	171	Broiler feed additive	621
β-tumerone	189	Available nutrients	21, 163	Broiler mortality & production	621
—carotene	604	<i>Averrhoa carambola</i>	434	Bt cotton	67, 142, 160,
β-tumerone	189	Azospirillum	460		466
<i>Abelmoschus esculentus</i>	119, 367, 369,	Azotobacter	45, 755	Budding time	99
	453, 619			Burfi	103
Abiotic factors	302	B		C	
Abiotic stress	625	BA- Benzyl adenine	376	Cabbage	652, 709
Acari	1	Baby corn	551	<i>Cajanus cajan</i>	29
Acceptability	607	<i>Bacillus subtilis</i>	326	<i>Cajanus cajanifoliosus</i>	515
Acetic acid and drying	601	<i>Bacillus thuringiensis</i>	119, 253	Calcium saturation	523
Actinomycetes	289	Bacterial blight	87, 326	Callusing	260
Activated carbon	319	Bacterial resistance	289	Calves	735
Activity	763	<i>Bactrocera cucurbitae</i>	744	<i>Capsicum frutescens</i>	38, 84
Acute toxicity	117	Bamboo chandrike	69	Capsule	747
ADF test	560	Behavioural response	119	Carambola fruit	434
Adlibitum	735	Benzoic acid	235	Carbon sequestrant	389
Adsorbent	319	<i>Beta vulgaris</i>	58, 329	Carbon sources	586
Adsorption	319	Better parent	419	Carboxylate anions	127
Aerobic rice	26, 457, 687	Bioagents	80, 501, 583	Card board rotary	
Aggressivity	535	Biochar	389	mountages	69
Agricultural crop residues	297	Biochemical attributes	343	<i>Carica papaya</i>	80
Agricultural sector	282	Biochemical composition	623	<i>Carissa congesta</i>	340
Agro residues	716	Biochemical quality	469	Carrot	82
Agro-biodiversity park	21	Biofertilizers	45, 346, 369,	Category	371
Agro-techniques	687		543, 652, 683,	<i>Catharanthus roseus</i>	378
<i>Ajwain</i>	443, 579		755, 757	Cattle dung	361
Akkadi	535	Biofuel	628	Cer 1	266
Alachlor	611	Biological characteristics	155, 447	<i>Cercospora beticola</i>	720
<i>Allium cepa</i>	93, 184, 323	Biological control	326	Characterization	499
<i>Aloe vera</i>	615	Bio-manures	349	Chemical composition	103, 323
<i>Alternaria alternata</i>	84, 569	Biomass	535, 716	Chevon meat	201
<i>Alternaria cymopsidis</i>	725	Biomass of earthworm	132	Chickpea	704
<i>Alternaria leaf spot</i>	84	Biomassing	414	Chilli	84, 560
<i>Alternaria solani</i>	235	Bioorganic	540, 574	Chinese guava	260
Ambient condition	434	Biopesticides	1, 119, 349,	Chlorophyll content	531, 619
AMMI	177		365, 453	Chlorophyll mutations	151
<i>Amomum subulatum</i>	499, 747	Biorationals	594	Chlorpyrifos	489
<i>Anethum sowa</i>	531	Bioregulators	340	<i>Cicer aritinum</i>	704
Anjan tree leaves	197, 735	Bioremediation	289	Citric acid	127
<i>Annona squamosa</i>	114	Biscuit	709	Citronella	82
Antagonists	78	Bittergourd	601	<i>Citrullus lanatus</i>	574
Antibacterial activity	87, 483	Bivoltine sericulture	597	<i>Citrus limonia</i>	690
<i>Aonla</i>	78, 450	Black pepper	583	<i>Citrus reticulata</i>	64, 99
APEDA	349	Blanching	709	Classification of water	121
Apple	307	Blanching treatments	503	Cleaning efficiency	750
Apple rootstock	694	Blend	103, 615	Clipping	683
<i>Approaerema modicella</i>	594	Blue oyster mushroom	586	Cluster promotion	
<i>Areca catechu</i>	426	BMR	628	programme	597
Arecanut	426	Body measurement	197	Clusterbean	359, 394, 543,
Arid zone	252	<i>Bombyx mori</i>	123, 217, 346		725, 741
ARIMA model	560	Botanical treatment	220	CMS	642
Ar-tumerone	189	Botanicals	82, 574, 725	Cocoon production	123, 597
Ascorbic acid	329	Botanicals management	453	Cocoon quality	597
Ash content	58	<i>Brassica oleracea</i>	652	Cocopeat	694
<i>Aspergillus flavus</i>	443	Breed characters	476	Coefficient of correlation	564
<i>Aspergillus niger</i>	501	Breeding	628	Colchiploidy and Hexaploid	645
		Briquettes	472		

<i>Coleus forskohlii</i>	637	Discharge rate	206	Fluchloralin	611
Collection	499	Distillery spentwash	48, 163	Foliar spray	67
Collembola	1	Diversity	343	Forecasted value	560
Colour texture	601	Domain	253	Forest leaf compost	694
Colour shade net	38	Drip irrigation	206, 486, 554, 698	Formic acid	127
Combining ability	32, 35			Forskolin	637
Commodity interest groups	89	Drip irrigation methods	613	Fortification	132
Compatibility	590	Drought intensity	166	Frictional properties	64
Compound growth rate	213	Drought stress	379	Frontline demonstrations	759
Concentrates	297	Drought tolerance	625	Fruit & yield parameters	32
Conservation	499	Dry mat-stick yield	277	Fruit quality	307
Constraints in adoption	547	Dry matter	197, 297, 637, 735	Fruit rot	78, 450
Constraints in application	365			Fruit size	307
Consumptive use	518	Dry sowing and pigeonpea	29	Fruits	248
Conventional tillage	404	Drying methods	184, 323, 503, 601	Fungicides	84, 363, 574, 725
Conveyor type paddy				<i>Fusarium oxysporum</i>	438
thresher	750	Dryland agriculture	389	<i>Fusarium solani</i>	223
Co-operative society	110	Drymatter accumulation	531	FYM	460, 527
Correlation	147, 180	Dual culture technique	590	FYM and neem cake	670
Correlation coefficient	51, 511				
Cost of production	103	E		G	
Cotton	10, 230, 272, 335, 384, 511, 631, 677, 761	<i>Earias vittella</i>	119, 453	GA ₃	376, 619
		Early blight	235	GAM	26
Cow milk <i>khoa</i>	103	Earthworm	117, 332, 361	Gamma rays	151
Cowpea	74, 363	EC of water	121	Gangavati	489
Cr(VI)	319	Ecological	547	Gaolao strain	564
Crop residue	155	Economic analysis	42	GCA	32, 35
Cropped	54	Economic benefits	399	Gene action	648
Cropping system	404	Economic indicators	338	Genetic analysis	26
Crossbred cows	297, 480	Economic viability	409	Genetic background	505
Crowbar method	29	Economics	286, 698, 738	Genetic diversity	511
Crude protein	735	Eldery mixes	125	Genetic male sterility	10
Cry gene	253	Environment	505	Genotypes	757
CSI	142	Epicuticular wax	266	Gerbera	607
Cucumber	32, 569	Equivalent yield	286	Geriatric mix food	125
<i>Cucumis sativus</i>	32, 569	Eri-silkworm	361	Germination	340, 690
Culture medium	725	<i>Erwinia carotovora</i>	82	Germplasm	499
<i>Curcuma longa</i>	189, 617	Essential oils	189	GI protection	248
Custard apple	114	ETc	554	Gibberlic acid	340, 376
<i>Cyamopsis tetragonoloba</i>	359, 394, 543, 741	Ethyl methane sulphonate	151	Ginger extract	615
		<i>Eudrilus eugeniae</i>	117, 332	<i>Glycine max</i>	438
Cycocel	619	Evaluation	499, 617	Glyphosate	54
<i>Cynodon dactylon</i>	54	Export performance	107	GM crops	246
<i>Cyperus tegetum</i>	277	Expression profile	379	Goat	476
		F		<i>Gossypium arboreum</i>	137, 645
D		Family farm	252	<i>Gossypium barbadense</i>	631
Daincha	163	Farm yard manure	680	<i>Gossypium hirsutum</i>	142, 272, 384, 466, 631, 645
Dairy nutrient mixture	252	Farmer's practice	554		
Damping-off	233	Farming system	252	<i>Gossypium</i> spp.	10
DAP	680	Feed mixture	480	Grading	430, 623
<i>Daucus carota</i>	82	Feed rate	750	Grafting	260
Deep fat frying	201	Fenugreek	503, 680	Grain and stover yield	674
Defense enzymes	720	Fertigation	554, 698	Grain equivalent yield	535
Degree of dominance	648	Fertility rating	426	Grape varieties	356
Dehydration	184, 704	Fertility restoration	642	Grasserie BmNPV	220
Dendrobium orchid	376	Fertilizer adjustment equations	160	Gravity drip	486
Densification	716	Fertilizer consumption	338	Grazing land	193
Desirable ecology	282	Fertilizer levels	137, 171	Green manure	48, 460
Deteriorative effect	579	Fertilizer use efficiency	338	Ground waters	121
Detopping	677	Fibre quality	67	Groundnut	594
Diallel	419, 648	<i>Ficus carica</i>	374	Growth & yield attributes	93, 272, 551, 557, 757
Digestible crude protein	297, 735	Fieldbean	1	Growth attributes	51, 137, 356, 738
<i>Dill</i>	531	Fig	374	Growth inhibition	78
Dimethoate	289	Fingermillet	535	Growth parameters	29, 394, 674
Direct seeding	457	Flowers	248		

Growth performance	476	<i>Jeevamrutha</i>	460	Media	302
Growth rate	107	<i>Jowar kadbi</i>	197	Median lethal concentration	117
Growth regulators	101, 335, 376, 690	Jute fibre	399	Medicinal plants	248
Guava	97, 180, 343, 353, 698	K		Melonfly	744
<i>Gulkand</i>	103	K 10	645	<i>Metarrhizium anisopliae</i>	594
Gypsum	48, 163	<i>Karonda</i>	340	Meteorological drought	166
H		Kinnow	64	MIC	483
<i>Hardwickia binata</i>	197	Knowledge test	315	Microbial biomass	155
HDPS	137	Konkan lemon	430	Microbial insecticide	117
Hedonic scale rating	607	Kuttanad soils	763	Microbial quality	623
<i>Helianthus annuus</i>	642, 729	L		Micronutrients	93, 361, 683
<i>Helicoverpa armigera</i>	253	Lactic acid	127	Milk micro organisms	623
Heterosis	10, 32, 419	<i>Lactuca sativa</i>	604	Milk quality	480
Hexane extracts and botanicals	233	Land equivalent ratio	286	Milk yield	480
Hilly zone	426	Land use dynamics	282	Mixed swards	15
Horsegram	151	Landless farmer	193	Moisture availability Index	293
Horticulture	248	Langmuir and Freundlich isotherm	319	Moisture conservation	414
Hot water treatment	450	Large cardamom	499, 747	Moisture content	329
Hybrid culture	590	Larval weight	220	Moisture distribution	486
<i>Hypsizygus ulmarius</i>	586	<i>Lasiodiplodia theobromae</i>	302	Moisture levels	142
I		Leaf blight	574	Moisture stress	732
IBA	701	Leaf chlorophyll	551	Molecular variance	384
IBA (Indol Butyric Acid)	497	Leaf miner	594	Morphological character	564
Ice-cream	114	Leaf nutrient	51	Morpho-physiological traits	466
Iron toxicity	763	Leaf spot	569, 720	<i>Morus alba</i>	346
ILS	379	Lemon grass	82	<i>Morus</i> spp.	155
Imazethapyr	447	Lemon juice	615	Motivation	741
Impact and yield performance	741	<i>Lens culinaris</i>	419, 648	Mountages	69
Inarching	260	Lentil	419, 648	MRC-6311	466
Inbred line	35	LER	535	Mulberry	155, 220, 223
Inceptisol	656	Lettuce	604		302, 346, 414
Indigenous herbal drug and broiler	621	Life saving irrigation	277	Mulberry garden	660
Inheritance	515, 648	Lignin decomposer	132	Mulberry varieties	217
INM	252, 409, 551, 759, 761	Liming materials	523	Mulching	414, 660
Inorganics	311	Liquid manure	460	Mustard	213
Input supply constraints	547	Little leaf	378	Mutagenic effectiveness	151
In-silico analysis	253	Loan borrowing	110	Mutagenic efficiency	151
Integrated nutrient management	311, 540	Lowland rice	763	Mycelial growth	590
Integrated technology	346	Low temperatures	463	Mycelial growth and inhibition	223
Integration of makhana-cum-fish culture	409	Lycopene	180	N	
Intercropping	286, 293, 493, 535, 611, 738	<i>Lycopersicon esculentum</i>	501	N levels	174
Internal control system	89	M		NAA (Naphthalene Acetic Acid)	497, 701
Interspecific crosses	10	Macrofauna	1	Nagpur mandarin orange	99
Interval between cuts	15	Macro-nutrients	95, 361	Nagpuri buffalo	564
Introgression	384, 631	<i>Macrophomina phaseolina</i>	74, 363, 438	Native phosphorus mobilization	127
Invertebrates	1	<i>Macrotyloma uniflorum</i>	151	Neem cake	97, 447, 680
IPM	230	Maize	125, 311, 611	Neem formulations	725
IPR legislation	248	Maize grain equivalent yield	493	Nitrogen	15, 97, 307, 586, 652, 687
Iron	753	Maize growers	547	Nitrogen and carbon sources	302
Iron and irrigation water	604	Makhana	409	Nitrogen & phosphorous levels	674
Irradiation	713	Male-fertility	515	Nitrogen fixing bacteria	637
Irrigation level	74	Maleic hydrazide	677	Non-agricultural sector	282
Item analysis	315	Male-sterility	515	Non-cropped	54
J		Malic acid	127	Normal planting	493
Jackfruit candy	469	Management	443, 447	No-till	155
Jaggery	197	<i>Mangifera indica</i>	51	Nozzle	210
		Mango	51, 244	NPK	531, 683
		Marginal productivity	338	NPOP	349
		Marigold	497	Nutrient index	426
		Marketing channels	61	Nutrient levels	757
		Markov chain analysis	107	Nutrient management	763
		Markov chains models	293	Nutrient quality	557
		Mat-sedges	277	Nutrient status	332, 426

Nutrient uptake	171, 394, 463, 637	Phyllody	378	<i>Punica granatum</i>	87, 326, 701
Nutrition	709	Physical properties	64	Pyrolysis	389
O		Physico-chemical properties	97, 155, 244	<i>Pythium aphanidermatum</i>	233
Okra	119, 206, 367, 369, 453, 619, 759	Physiological characters	356	Q	
Onion	93	Physiological manipulation	677	QTL	505
Operating pressure	210	Physiological traits	505	Quality	343, 434
Organic certification	89	Phytoene desaturase	266	Quality attributes	713
Organic cotton	89, 315	<i>Phytophthora capsici</i>	583	Quality indices	121
Organic cultivation	557	Phytophthora foot rot	583	Quality parameters	430, 531
Organic farming	1, 89, 315, 349	Phytoplasma	378	Quality protein	125
Organic inputs	193	Pigeonpea	286, 515	R	
Organic manures	45, 97, 670, 755	<i>Piper nigrum</i>	583	<i>Rabi sorghum</i>	35
Organic matter	311, 683	Piston press machine	472, 716	Radio frequency	704
Organic nutrition	367	Planofix	683	Rainfall characterization	293
Organic plant breeding	246	Plant extracts	87, 223, 501, 720	Rainfall deficiency	166
Organic production	349	Plant growth & yield parameters	48, 617	Raingun	210, 613
Organic rice	42	Plant growth regulators	374, 466, 619, 670	Random amplified polymorphic DNA	511
Organoleptic score	601	Planting systems	670	Rangpur lime	690
Organophosphorous pesticides	289	Plastic collapsible mountages	69	RAPD markers	384
Organophosphorus insecticides	489	Plastic rotary mountages	69	RCC	535
<i>Orobancha cernua</i>	447	Pleurotus mushroom	590	Refrigerated condition	434
<i>Oryza sativa</i>	26, 457, 463	PO	720	Refrigerated storage condition	607
Overall acceptability	601	Point biserial correlation	315	Regeneration capacity	54
Overdues of loans	110	Poisoned food technique	363	Regression	177, 423
P		Polyethylene glycol (PEG)	732	Rehydration ratio	184
P fraction	656	Polyhedral bodies	220	Reliability	315
Packaging	58, 244, 329	Polymerase chain reaction (PCR)	511	Repayment of crops loans	110
Packaging materials	469	Pomegranate	87, 326, 701	<i>Resham keet oushadh</i>	123
Paddy	489, 753	Porous pipe	206	Resource management	399
<i>Paecilomyces lilacinus</i>	744	Post harvest shelf life	713	Resource use	42
Paired row planting	493	Post-harvest diseases	82	Response surface methodology	201
PAL	720	Post-harvest loss	430	Restorer and maintainer	642
<i>Panchagavya</i>	460	Post-inoculation	450	Rhizobium seed inoculation	543
Papaya	80	Post-transcriptional gene silencing	266	Rhizosphere	346
Parameters	272	Potassium	67, 307	Rice	48, 226, 463
Partial budgeting	42	Potassium nitrate	67	Rice cultivars	226
Path & regression coefficient	564	Poultry manure	680	Rice genotypes	174, 732
Path analysis	147	Poultry products	107	Rice thrrips	226
PCA	177	PPO	720	Rice varieties	457
Peak season	547	Preceding crop	540	RIL's	631
Pearl millet	252, 674	Precooling	58, 329	Rock phosphate	761
Pendimethalin	611	Pre-inoculation	450	Room temperature storage conditions	607
<i>Penicillium funiculosum</i>	78, 450	Pre-treatment	323	Root rot	74, 223
Per se performance	10, 423	Price fluctuation	61	Rooted cuttings	374
Performance evaluation	750	Probability	166	Rooting	495
Pesticide residues	489	Production	213, 476, 480	Rooting media	694
<i>Phanerocheate chrysosporium</i>	132	Production potentiality	174	Rootstocks	95, 260, 356
Phenology	142	Production system	409	Rose	607
Phenols	720	Production technology	741	Rot	84
Phenotypic characters	476	Productivity	371, 399	Roughages	297
Phenotypic integrity	246	Productivity traits	505	RTS	244
Phosphate solubilizing bacteria	527	Propagation	495	Rynaxypyr	117
Phosphorus and Potassium	652, 666	Propaquizafop	54	S	
Phosphorus fertilization	543	Protected cultivation	38	Sahana	645
Photosynthesis	272, 356, 505	Protons	127	Sanga potato	61, 371
Phule mosambi	64	Pruning	307	SAP technique	193
		PSB	543, 666	Sapota fruits	713
		<i>Pseudomonas</i> sp	289	SAR chemicals	235
		<i>Psidium guajava</i>	97, 180, 260, 343, 353, 698	SCA	32, 35
		Pukraj potato	61, 371	Scion	99
		Pungency	560	Seed borne infection	438
				Seed cotton yield	67, 137, 554

Seed dressing fungicides	729	Sprouting	495	Vegetable oils	450
Seed germination	579, 732, 747	Stability	177, 423, 515	Vegetables	248, 613
Seed mycoflora	579	STCR	160	Vegetative propagation	101
Seed production	367	Stem canker	302	Vermicompost	29, 45, 97, 132, 217, 332, 369, 666, 680, 694, 755
Seed soaking	619	Stem cuttings	495	Vermiculture	361
Seed treatment	74, 340, 443, 747	<i>Stenchaetothrips biformis</i>	226	Vermiwash	217
Seed yield	45	<i>Stevia rebaudiana</i>	101	Vertical distribution	656
Seedborne fungi	729	Stionic ratio	353	Vertisols	160, 656
Seedless lemon	430	Stool layering	694	<i>Vigna radiata</i>	666
Seedling growth	690	Stool shoot	694	<i>Vigna unguiculata</i>	363
Seedling vigour	335, 579, 732	Storage period	125, 469	Vigour index	438
Sensory characteristics	201	Storage temperature	58, 329	Vijetha	123
Sensory evaluation	103, 114	Straw & husk	753	Virus-induced gene silencing	266
Sensory quality	615	Subsoil biomassing	660	Viscosity	615
Sericulture	346, 361	Subsoiler	404	Vitamins	586
Sesame	177, 518, 683	Sucrose yield	147	<i>Vitex negundo</i>	495
<i>Sesamum indicum</i>	177, 670, 683	Sugarbeet	720	<i>Vitis vinifera</i>	95, 356
Shade net	38, 99, 690	Sulphur fertilization	518		
Shelf life and storage	434, 755	Summer greengram	666	W	
Shield budding	99	Sunflower	642	Waste management	709
Sikkim Himalaya	617	Sunflower seeds	729	Waste water treatment	319
Silage	197	Sunnhemp	460	Water deficit	272
Silkworm	217, 220	Survival percentage	353	Water harvesting	414
Silkworm bed disinfectants	123	Sweet orange	64	Water Intake	197
Silkworm diseases	123	Sweet sorghum	147, 171	Water management	277
Silkworm litter	361			Water potential	142, 272, 732
<i>Simarouba glauca</i>	483	T		Water use efficiency	518
Skill demonstrated	230	Technology index	759	Watermelon	574
Socio economic up-liftman	277	<i>Tegetes erecta</i>	497	Wedge grafting	353
Socio-economic characters	371	Thermo gravimetric analysis	472	Weed control methods	687
Sodic soil	613	Threshing efficiency	750	Weed Management	611
Sodicity hazards	121	Tillage practices	404	Well water	121
Soil characterization	21	Tobacco	233, 447	Wetting pattern	486
Soil chemical properties	523	Tomato	45, 235, 379, 501, 557, 755	WGEY	540
Soil drenching	744	Total chlorophyll content	58	Wheat	527
Soil fauna	1	Total digestible nutrients	297	Wheat based cropping system	540
Soil fertility	1, 238	Total uptake	171	Wheat genotypes	423
Soil health	349	Trace elements	586	White onion	184, 323
Soil microbial activity	389	<i>Trachyspermum ammi</i>	443, 579	Wilt	260, 574
Soil moisture	206	Trainee farmers	230	Wine grapes	95
Soil moisture conservation	404	Tree nutrition	51	Winter maize	738
Soil moisture tension	518	Trenching and varieties	414, 660	Wrapping materials	607
Soil physico-chemical properties	656	<i>Trichoderma</i> spp.	80	WUE	698
Soil profile	656	<i>Trichoderma viride</i>	443, 569		
Soil properties	21, 238	<i>Trigonella foenum</i>	680	X	
Soil quality	155	<i>Trigonella foenum-graecum</i>	503	<i>Xanthomonas axonopodis</i>	87, 326
Soil survey and sampling	238	Triploid	645	Y	
<i>Solanum lycopersicum</i>	45, 379, 755	<i>Triticum aestivum</i>	423, 527	Yield & quality	518, 557
<i>Solanum nigrum</i>	757	Turbidity	615	Yield attributes	48, 51, 142, 272, 419, 463, 554, 611, 670, 738
<i>Solanum tuberosum</i>	371	Turmeric	189, 617	Yield of maize	523
Solar drying	184	Type of sward	15	Yield parameters	93, 359
<i>Sorghum bicolor</i>	35, 147, 171, 628	U		YVMV	619
Soybean	438	Udaipur rock phosphate	527	Z	
SpBOR1	379	Undesirable ecology	282	<i>Zea mays</i>	125, 460, 523, 551, 738
Spike	747	Uniformity coefficient	210	Zinc	394, 753
Spinach beet	58, 329	Uptake of nutrients	95	Zinc application	399
Spore germination	223	Utility perception	230	Zone of inhibition	483
Sporulation	302	V			
Spot market price	560	Validity	315		
Spraying	744	Value addition	114		
Sprinkler	613	Variability	26		
Sprouted jowar	480	Varieties	359, 670		
Sprouted seed sowing	457				