



GREEN FARMING

Vol. 9 [Issues 1-6 (Bi-monthly), January to December 2018]

(Contents list available at www.greenfarming.in)

KEYWORDS INDEX

A		Bhavnagar District	848	Citrus canker	361
'A' value	888	<i>Bhendi</i>	884	Climate change	618, 726, 191
<i>Abelmoschus esculentus</i>	430, 787, 1028	Biochemical & morphological parameters	944	Climate smart nutrient mgmt.	296
<i>Abelmoschus moschatus</i>	84	Biochemical constituents	290	Clipping & Spacing	931
Abiotic factors	1028	Biochemical parameters	704	Clusterbean	844
Access and control	552	Biocontrol agents	811	Clusters	18
Advanced mutant breeding lines	257	Biocontrol services	687	<i>Cnaphalocrocis medinalis</i>	687
Aerobic rice	61, 198, 982	Bio-fertilizers	679, 844, 1011	Coastal	848
Age of seedlings	739	Biofungicide	348	Coccinellids	1023
Aglaonema	1060	Biological control	157	Coccinellid predators	693
Agricultural activity	848	Biomass	902	Coconut climber	134
Agricultural extn. services	106	Bio-regulators	998	COD	993
Agricultural production system	1055	Bivoltine cocoon	129	Coefficient of variation	9, 14
Agricultural sustainability	494	Blackgram	270, 301, 608, 922	Colchipoity	314
Agriculture productivity	618	Blade types	1035	Collective action	144
Agri-horti forstery	513	Bolting per cent	459, 473	<i>Colletotrichum gloeosporioides</i>	811
Agro-forestry	559	Boric acid borax	185	Colour index	393
Agronomic traits	638	Botanical pesticides	353	Colour value	914
Aji river	726	<i>Brassica juncea</i>	404	Combining ability	206, 934
<i>Allium hookeri</i>	393	Bread wheat	591	Comparative performance	414
Aluminium toxicity	51	Brix acid ratio	1068	Composting	490
AM fungi	806	Broad crested rectangular weir	546	Consequence of stress	918
Amaranth	931	Broad sense heritability	922	Consumption expenditure	100
Ambo town	552, 750	Broiler	759	Consumption pattern of milk	1076
Ameliorative effect	277	Browning index	1045	Conventional farming	56
<i>Amrasca bigutulla bigutulla</i>	693	Bt cotton	306, 335, 772, 1023	Copper chrome boron	185
Angle of repose	892	Bulk density	892	Coriander	434
Animal husbandary	513	Bundelkhand region	494	Correlation	21, 228, 244, 248, 409, 419, 586, 644
Anthocyanin	481	C		Cost and returns	759, 763
Anthracnose	811	Canopy temperature	387	Cost of cultivation	755
Antioxidant property	867	Capsaicin	24	Cost of operation	739
<i>Aphis gossypii</i>	693	<i>Capsicum annum</i>	24	Costs and return analysis	56
Apple	248	Carbonization	902	Cotton	323, 641
Arduino	978	Carnation	792	Counterpart	1019
Arecanut	318	Carnation genotypes	666, 819	Cow urine	24, 464, 473
Arecanut plantations	444	Cartap hydrochloride	859	Cowdung	84
Atemoya x Balanagar	1068	Cashew	161	CPP	129
Augmented design	9	Cashew nut shell	185	Critical limit	444
Automation	978	Certified growers	880	Crop growers	772
Available N, P & K	84, 459	Change in cropping system	772	Crop production	31
<i>Azotobacter</i>	154, 657	Character association	218, 426, 776, 787	Crop protection	191
B		Characterization	212, 902	Crop water stress index	387
B:C ratio	169, 477, 625, 755, 854, 973, 1011, 1015	Charcoal	902	Crop water use efficiency	973
Baby corn	206, 212	Chilli	518, 523, 772, 836	Cropped area	772
<i>Bacillus</i>	811	<i>Chilo infuscatellus</i>	859	Cropping system/practice	698, 880, 1032
Bamboo	185	Chlorantraniliprole	859	Crude fibre	179
Banana	88, 755	Chlorella	993	Crude protein	179
Banana quality	344	Chlorophyll content	1007	Crystallization	583
Banana sap	498	Chlorophyll stability index (CSI)	1007	Cucumber	139, 253
Basmati rice	824	Chrysanthemum	173	Cucumis melo	954
BCR	679	Cissus quadrangularis extract	867	Cucumis sativus	139, 253
Behavioral symptoms	918	Citrus	357, 359	Cultivar	284
<i>Bemisia tabaci</i>	693			Cultivation methods	370
Beneficiary	559			Cultural method	638
				Curcumin	1050
				Curing	1050

D		Fertilizers	657	Genotypes	21, 434
D ² statistic and cluster	18, 231, 423	Field capacity	188, 731, 978	Genotypic & phenotypic correlation	776, 787
D ² value	239	Field efficiency	383, 731, 739, 897	Genotypic resistance	792
Dahlia genotypes	675	Fig varieties	910, 1064	Geomorphology	713
Dairy industry	534	Financially supported	559	Germplasm	710
Damage percentage	383	Finger millet	100, 600, 832	GIS and Geomorphological analysis	541
Date of sowing	270	Fipronil	859	GLM	662
Dates	502	Fish drying	570	Glycerol	867
Dead hearts	370	Flesh thickness	239, 244	Glyphosate	806
Deficient	444	Floating platform	508	Goat rearing	559
Deficit irrigation	854	Flow depth	546	Graded levels	828
Defoliation	671	Flower quality	173	Grain & Fodder yield	21, 944
Dehydrogenase	36, 490	Flowering	430, 671	Grain & Stover yield	863
Developmental characteristics	687	Flowering & quality parameters	675	Grain & Straw yield	800
DFLs	129	Fluid milk preference	1076	Grain yield	591, 1003
Digging efficiency	383	Fodder security	100	Grapes	914
Direct seeded	824	Foliage & seed yield	84	Gravimetric method	978
Direct seeded rice	284, 477, 982	Foliar application	323	Green manuring	31
Discharge co-efficient	546	Foliar nutrition	306	Greengram	71, 423, 438, 651, 1011
Disillusionment	766	Foliar spray	112	Groundnut	148, 390, 776, 925, 973
Dissonance	766	Food security	191	Groundnut germplasm	419
Distillery	36	Forage sorghum	218	Groundnut pod collector	527
Divergence	608	Foxtail millet	612	Groundwater pollution	848, 906
Diversity of pests	365	French marigold	182	Group associations	134
Dosages	745	Fruit borer	518	Growth & flowering attributes	182, 481, 973
Dracaena	1060	Fruit characters	644	Growth & physiological attributes	290
Draft	897	Fruit pulp	502	Growth & yield attributes	148, 306, 327, 455, 625, 630, 641, 832, 925, 931, 968, 998
Drip fertigation	683, 720	Fruit quality	481	Growth & yield characters	21
Drip irrigation	978	Fruit rot	357	Growth attributes	71, 76, 112, 173, 434
Drought stress	987, 1007	Fruit traits	954	Guava	683, 928
Dry matter production	1003	Fruit yield	806	Guinea grass	179
Drying rate	570	Fusaric acid	792	Gujarat Jowar	944
Dryland agriculture	106	<i>Fusarium oxysporum</i>	353	Gulakand quality	502
DTPA	444	<i>Fusarium pallidoroeseum</i>	357	Gumbel's method	117
E		Fusarium wilt	666, 792, 819	Gypsum + GM	662
Early shoot borer	859	FYM	657, 840, 844, 888	H	
Eco-friendly	523	G		Harvest index (%)	1003
Economic security	513	GA ₃	112, 165, 173, 323	Heavy metal	46
Economic surplus	579	GAM	922	<i>Helianthus annuus</i>	426
Economic upliftment	469	Gamma irradiation	745	Herbal pest repellent	880
Economics	71, 76, 284, 327, 840	Gareette's ranking for constraints	565	Herbicide molecules	625
ECV	586	Garlic	840	Heritability	14, 224, 235, 239, 244, 248, 257, 430, 586, 612
Edible coating solution	139, 867	GCA	934	Heterobeltiosis	198, 396, 939
Effective rainfall	720	GCC	409	Heterosis	198, 253, 396, 939
Eigen value	404	GCV	14, 218, 224, 235, 239, 244, 248, 586, 596	Hexanal vapour	344
Electrochemical properties	444	GDD	486	High genetic advance	430
Energy expenditure rate	1040	Gender analysis	552	Hooker chives	393
Energy indices	390	General appearance	1045	Horticulture	191
Epiphytotic condition	710	Generation mean analysis	1, 954	HTU	486
Epistasis	1, 954	Genetic advance	14, 224, 235, 612, 922	HUE	486
<i>Erysiphe polygoni</i>	704	Genetic divergence	18, 231	Humic acid	464, 473
Ether extract	179	Genetic diversity	239, 404, 423, 959	Hybrid maize	486
Eucalyptus	318	Genetic purity	782	Hybrid napier	179
Exchangeable	657	Genetic variability	9, 235, 257, 596, 612		
Expenditure	579	Genetic x Environment	600		
F		Genotype x environment (GxE) interaction	591		
F ₁ hybrids	414				
Farm income	579				
Farm yard manure	884				
FEA technique	1072				
Fertilizer applicator	1035				
Fertilizer levels	634				
Fertilizer use efficiency	720				

Hybrid rice	198	Laterite	836	N	
Hybrids	253	Leaf area index	630	N fractions	261
Hydraulic jump	546	Leaf curl	518	N, P, K, tuberose	154
Hydrological diagnosis	541	Leaf production	31	NAA	165, 173
Hydroponics	508	Leaf quality & production	176	NAA (Naphthalene acetic acid)	1064
I		Leaf yield	314	NAIP	559
IBA (Indole butyric acid)	1064	Light	1060	Nano boron	925
ICAR-AINP JAF	469	Linseed crop	310	Natural forest	318
Image analysis	339	Liquid formulation	24	NCWP	169
Improved technology	559	Little millet	21	NE	477
Inclusive growth	873	L-type blade	1072	Neck thickness	459, 473
Indian bean	939	<i>Lycopersicon esculentum</i>	290	Neem cake	518
Inductive-cum-target model	836	M		Nematode communities	698
Infrared thermometry	387	Macronutrients	444	Net income	559
Infra-specific cross	954	Madar watershed	117	Net returns	100
INM	66, 76, 459, 657, 1015	Mahalanobis D ² analysis	608	Niger	959
Inorganic fertilizers	800	Maili watershed	713	Nitrogen	641, 840
Insect pests	161	Maize	36, 41, 318, 396, 657, 962	Non-enzymatic browning	914
Insecticides	1023	Maize genotypes	212	Novel molecules	693
Institutions	144	Maize productivity	968	NPK levels	832
Integrated farming system	513	Maize-sunflower	1032	NPOP	56
Integrated nutrient mgmt.	154	Maize-wheat cropping systems	261	Nucleation aid	583
Inter and Intra cluster distance	231	Malnutrition	1019	Number of leaves	459, 473
Interaction effect	455	Mango	902	Number of pods	148
Intercropping system	31, 310	Manning's roughness	546	Nutmeg	1040
Intercultivator	1035	Manual analysis	339	Nutmeg harvesting system	1040
Ionic ratios	906	MAP	139	Nutrient content & uptake	66, 80, 270
IPM	191	Market linkage	873	Nutrient decision support systems (NDSS)	296
IPNS	836	Marketing channel	565	Nutrient management	925
Iron content	604	Marketing efficiency	565	Nutrient solution	949
Iron toxicity	51	Marketing margin	565	Nutrient sources	331
Irrigation	327, 630, 993	MCWP	169	Nutrient status and upake	962
Irrigation scheduling	824, 973	Mechanical properties	185	Nutrient uptake	41, 720, 836, 844, 1015, 1032
Irrigation water quality	848	Medicinal plants	348	Nutrient use efficiency (NUE)	296
ITK	191	MH	165	Nutrients sources	679
IW/E-Pan approach	854	<i>Micraspis</i> sp.	687	Nutrition	1019
J		Micro irrigation	176	Nutritional quality	379
Jajmau	46	Microbial count	910	O	
Jasmine	671	Microbial inoculants	490	Off-Farm migration	766
Jasmonic acid	687	Microgreens	1019	Oil content	310, 323
Jassids	1028	Micronutrients	284, 444, 477, 644, 928, 962, 968	Oil yield	310
Jeevamrutha	24	Mid parent heterosis	396	Okra	80, 327, 414, 679, 693, 787, 806, 888, 1015
Juice nutrient	644	Milk	763	Onion	93, 387, 459, 464, 473
Jute farmers	469	Millable cane yield	455	Open conditions	112
K		Millets	498	Orchards	928
Kagzi lime	361	MIS	169	Organic agriculture	191
Kaipad	51	Mites	523	Organic amendments	61
Kaushambi	755	Mitigation	618	Organic and inorganic fertilization	261
Kernel protein	284	Moderate genetic advance	430	Organic carbon	31, 36
Khirmi	112	Moisture ratio	570	Organic dairy	191
Kiln	902	Monocrystalline panel	575	Organic farming practices	31, 880, 884
Kinnow	379, 644	Morphological & physiological parameters	683	Organic fertilizer management	922
K-Mean clustering	404	Morphology characters	704	Organic inputs	880
Kodo millet	339, 604	Morphometric analysis	541	Organic management	523
Kutki millet	339	MPTC	897	Organic mango value chain	873
KVK functionaries	918	Mulberry genotypes	31, 176, 314, 987	Organic manures	800
L		Mulch laying machine	731	Organic vegetables farming	56
Labour scarcity	134	Multinomial logistic model	1076	Output-input ratio	390
Land capability	713	Mungbean	231, 235, 409, 630, 934, 1007	Overall discomfort rating	1040
Land use systems	318				

P		Pod yield	148	Redgram crop	1035
P derived from fertilizer	888	Pollen germination	792	Red rose	502
P derived from soil	888	Polycrystalline panel	575	Red shadenet	1060
Paddy	188	Polyhouse	414	Red soil	494
Paid work	750	<i>Polyphagotarsonemus latus</i>	523	Reducing sugars (%)	1068
Palmyra jaggery	583	<i>Polyphenol oxidase</i>	666, 1050	Refrigeration	1045
Pan evaporimeter	720	Polypropylene	1045	Relative density	365
Panchagavya	24	Polypropylene bag	1068	Relative heterosis	198
Panicle weight	224	Pomegranate	165	Residual effect of INM	71
Papaya	811	Pooled weighted gca	206	Resistance	819
Papaya cv. Taiwan	745	Porosity	375	Resource and benefits	552
Paperboard mill effluent	508	Post-harvest	357	Response surface method	731
Paprika	720	Post-harvest diseases	811	Reynolds's number	546
Parent-progeny regression	615	Post-harvest treatment	344	Rice	51, 157, 224, 370, 615, 782, 800, 828, 949
Particle size distribution	444	Potassium	182, 638, 641	Rice genotypes	18, 228, 596
Pasturized milk	1076	Potassium fractions	657	Rice plants	687
Path analysis	21, 228, 244, 257, 409, 426, 430, 586, 776	Potato	318	Rice-wheat cropping	61, 296
Path coefficient analysis	218, 419	Potato peeler	121	Ridge gourd	239, 244
PCC	409	Potential head	546	RILs	949
PCV	14, 218, 224, 235, 239, 244, 248, 586, 596	Powdery mildew	704	River Ganga	46
Peeling efficiency	121	Power tiller	1072	Roselle	151
Peeling loss	121	Power weeder	188	RP	438
Pendimethalin	270	Precision nutrient mgmt.	148	RSM	1072
Periodical phosphorus contents	651	Pre-harvest bunch covers	88	S	
Periodical soil P ₂ O ₅	651	Press mud	662	Safflower	310, 634
Peroxidase	819	Price spread	565	Saline hydromorphic soil	51
Pest incidence	370, 863	Principal component analysis	404	Salinity of water	906
PFP	148	Production & productivity	129	Salinity stress	151
PGPR	481	Productivity	61	Salt affect soil	277
PGR	165, 173	Profitability	100, 759, 763	Sapota	112, 502
Phase changing materials	534	Protein	828, 1007	Saturation	824
Phenol	1007	Prototype tillage tool	897	SCA	206, 934
Phenology	486	Pruning	671	Schefflera	1060
Phenylalanine ammonia lyase	819	Pruning levels	683	<i>Scirtothrips dorsalis</i>	523
Phosphatase	36	PSB	1011	Seawater intrusion	906
Phosphate solubilising bacteria	518	<i>Pseudomonas fluorescens</i>	157, 518	Seed germination	348
Phosphorus management	455, 651, 1011	Psychological consequences	918	Seed mycoflora	348
Photovoltaic module	575	PTU	486	Seed priming	925
Phycoremediation	993	Pulses	498	Seed quality	498
Physical parameters	88, 375	Punching efficiency	731	Seed treatment	844
Physico-chemical changes	344	PVC pipes	93	Seed yield	630
Physico-chemical properties	277, 494, 508, 662, 928	Q		Seeding rates	284
Physiological consequences	586, 918	Quality and soil nutrient status	840	Selections	248, 615
Physiological maturity	486	Quality attributes	310, 683, 1015	Sericulture	129
Phytochemical composition	987	Quality characters	745, 906	Sesame	257
<i>Phytophthora parasitica</i>	710	Quality traits	393, 600, 934	<i>Sesamum indicum</i>	257
Phytotoxicity	806	Quinoa	375, 854	Settling velocity	892
Plant extract	353	R		Sewage water	993
Plant growth promotion	884	<i>Rabi</i> maize	438, 651	Shadenet house	112, 414
Plant height	459, 473	<i>Rabi</i> sorghum	1	Shannon-Weiner	365
Plant population	634	Radish	1019	Sheath blight	157
Plant propagation	1064	Rain water use efficiency (RUE)	323	Shelf-life	93, 139, 745, 1045
Plant protection	353	Rainfall	310, 618	Shoot and Fruit borer	1028
Planting seasons	591	Rainfall time series	117	Shootfly resistance	1
Plastic mulch	301, 327	Raisins	914	Shootfly	863, 944
Pluralistic extension	106	Rambutan	1045	Shrimp feed pellets	892
Pod collection efficiency	527	RAPD technique	357	Silage	179
		RDF and STCR	41	Simpson's diversity indices	365
		Recombinants	18	Site specific nutrient mgmt. (SSNM)	296
		Recommended dose	641		
		Recurrence interval	117		

Size distribution	339				
Small and marginal Farmers	579				
Small dryer	570				
SML-668	630				
Social entropy	766				
Socialization of technology	766				
Sodic soil	806, 832				
Sodium silicate	290				
Soil and foliar application	962, 968				
Soil characteristics	713				
Soil classification	713				
Soil fertility status	261, 331, 335				
Soil microflora	24, 698				
Soil moisture sensor	301, 978, 1035				
Soil pH and E.C	151				
Soil properties	318, 698, 800				
Soil series	644				
Soil status	459				
Soil survey	644				
Soil temperature	301				
Solar concentrator	534				
Solar drying	570				
Solar energy	534				
Solar tunnel dryer	910				
Soluble fertilizers	41				
Sorghum bicolor	1				
Sorghum genotypes	76, 772, 863, 944				
Sowing dates	863, 1003				
Soybean	9, 66				
Spacing	80				
Sphericity	375				
Spiders	1023				
Split application	641				
Sprinkler	824				
Sprouting losses	93				
SSNM	477				
SSP (Composted)	438				
SSR markers	782				
Stability analysis	591, 600				
Stage of application	998				
Stage of consumption	379				
Standard checks	253				
Standard heterosis	198, 396				
Starch	867				
Static friction	892				
STCR	477				
Stem and root borer	161				
Stem borer	863				
Stomata	314				
Storage	93, 910, 914				
Strawberry	481				
Subwatershed	318				
Sucking pests	1023				
Sugarcane	455, 859				
Sulphur	1011				
Sunflower	426				
<i>Superoxide dismutase</i>	666				
Supplemental irrigation	301				
Susceptible reaction	710				
SWAT model	726				
Sweet corn	331				
		T			
		Target yield	477		
		TDS	993		
		Tea mosquito bug	161		
		Teak leaf litter	84		
		Tensiometer	824		
		Terminal velocity	375		
		Thrips	518, 523		
		Tillage	331, 1032		
		Tilting flume	546		
		Time use survey	750		
		Titration acidity (%)	1068		
		Tocher's method	608		
		Tolerant	161		
		Tomato	56		
		Tomato transplanter	739		
		Tomato wilt disease	353		
		Total phosphorus content	438		
		Tracer technique	888		
		Tractor operated	527		
		Trailer type boiler	1050		
		Transfer of technology	106		
		Transplanted rice	982		
		Transplanting	828		
		Tree species	277		
		<i>Trichoderma harzianum</i>	348		
		<i>Trichoderma viride</i>	518		
		Trichome	314		
		Triploid	314		
		TSP	469		
		TSS	502		
		Tuber rhizomes digger	383		
		Tunnel dryer	570		
		Turmeric boiling	1050		
		Two dimensional method	782		
		Types of bed	739		
		U			
		Ultisol	836		
		Unpaid work	750		
		Uptake	270		
		Urbanization	1055		
		Urease	36		
		V			
		V1	987		
		VAM	438		
		Vapour pressure deficit	387		
		Variability	248, 586, 922, 959		
		Variability parameter	218		
		Varietal screening	161		
		Varieties	824, 832		
		Variety specific markers	782		
		Vase life	173		
		Vegetable farmers	1055		
		Vegetative growth	671, 1060		
		Ventilated	1045		
		Ventilation	93		
		Vermicompost	154, 513, 518, 884, 1015		
		Vertisols	335		
		Vetiver system	508		
		Vidharbha region	998		
		<i>Vigna radiata</i>	409, 423, 704		
		Vigour traits	228		
		W			
		Water activity	910		
		Water balance	726		
		Water productivity	169		
		Water quality	46		
		Water requirement	854		
		Water stable aggregates	61		
		Watershed	144		
		Weed management	625, 1032		
		Weeding efficiency	188, 270, 806, 1035		
		Weeds	188		
		Weibull's method	117		
		West Bengal	469		
		Wetland management	157		
		Wheat	625, 638		
		Wheat straw mulch	327		
		White fly	1028		
		Women integration	144		
		Women work	750		
		WUE	854		
		X			
		<i>Xanthomonas citri</i>	361		
		<i>Xanthopimpla flavolineata</i>	687		
		Y			
		Yellow mite	518		
		Yield & quality attributes	80, 165, 212, 224, 248, 261, 331, 586, 604, 644, 679, 755, 828, 973, 987		
		Yield attributes	9, 14, 18, 166, 71, 76, 206, 228, 244, 253, 301, 414, 419, 430, 596, 608, 615, 776, 844, 934, 939, 959, 982, 1003		
		Yield equation	836		
		Z			
		<i>Zea mays</i>	206		
		Zero hunger	134		
		Zinc	657		
		Zinc content	604		
		Zinc deficiency	949		
		Zinc solubilizing bacteria	662		
		Zinc sulphate	662		
		Zn fractions	662		

