National Food Security of Sri Lanka: Past,present, stretagies,achivements and challenges



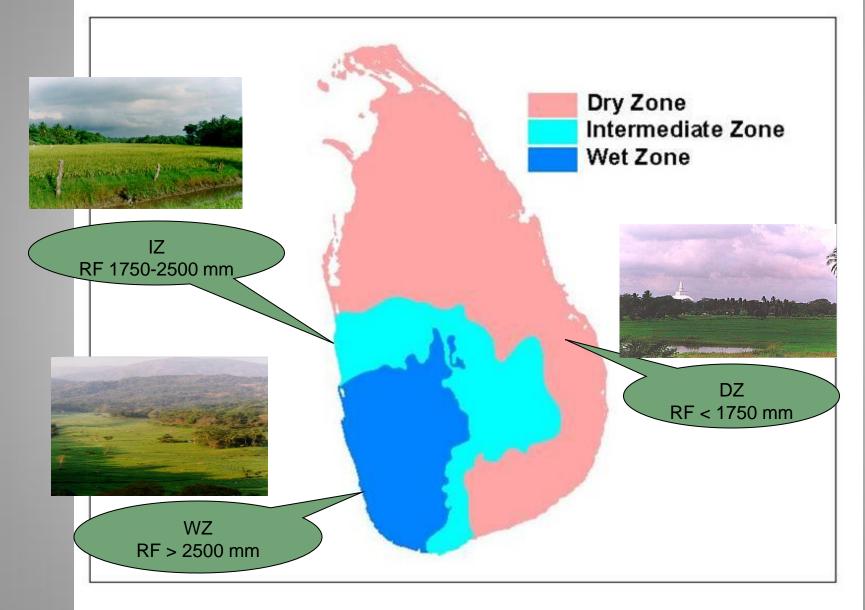
Nimal Dissanayake Additional Secretary (Development) Ministry of Agriculture Sri Lanka

Food Security..

 When all people at all times , have physical, social and economic access to sufficient , safe and nutritious food to make their dietary needs and food preferences for an active and healthy life ...(Clay, 2002)



Three Major Climatic Zones of Sri Lanka



Agro-Ecological Zones based on Elevation, Rainfall, Soil Type

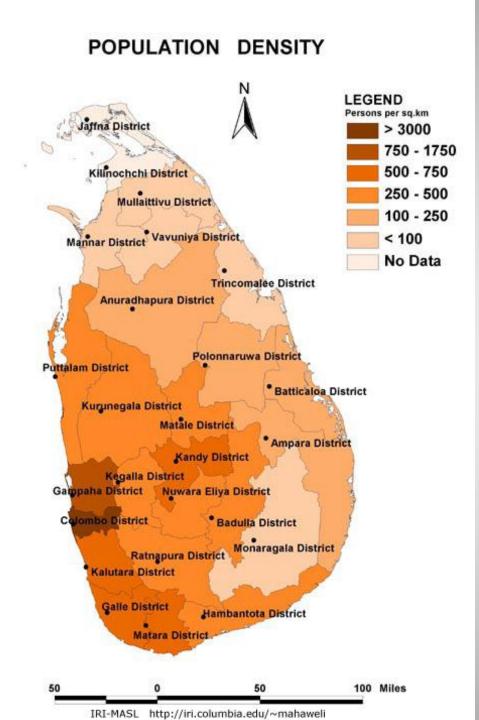
AGRO - ECOLOGICAL REGIONS OF SRI LANKA

| | | DISTINGUISHING CHARACTERISTICS OF THE AGRO - ECOLOGICAL REGIONS | | | | | | | |
|--|---------------------------|---|-----------------------------|--|---|---|---|---|--|
| | cu | IMATIC | AGRO - ECOLOGICAL REGION | MONTHLY HISTOGRAMS OF 75% RAINFALL PROBABILITY FOR RESPECTIVE REGIONS (mm) | 75% EXPECTANCY VALUE OF ANNUAL RAINFALL (mm) | TERRAN | MAJOR SOIL GROUPS | LAND USE | |
| | Y - 1 | | TRY | | > 3,100 | Martanca, mup) descort, My & strip | Red Velice potentic, Muselan Regioni & Liferant rate | Tau, Frond particular, Natural Forest | |
| BAY OF BENGAL | | | COUNTRY | 2 | > 2,400 | Bingly descript, bily & oling | Bud Yalise Puttolic sole | Tea, Forest plantations | |
| Septement of the second | | | 0 mm | | > 2,200 | Montanous, steply duamies. My & rolling | Red Yolize Podzele, Mountain Report & Liferent ente | Ten, Forest particlere, Vegetaline | |
| a the second sec | | | - wus | | > 1,800 | May & calling | Red Yelles Polisile: sols will prevent Al Notari & Not Yelles Polisile auto with the Element | Tea, Vapolatiles, Pasture, Harre gardenis, Fonal partializes | |
| Services | | | - | _ strate | > 3,300 | Montaining, starging described, help & rolling | Red Yellow Publish: and alth anti-primited AT Norizon & Statust and | Tau, Natural Renat | |
| A Tom A Martine | | w | 2 | - mark | > 2.900 | Smaply chanceled, tilly & college | Bud Yahan Pudanki sola wili sumi promovel A1 fastan & Urband adla | Tau, Natural Voted, Mend Torine genteries | |
| | | ZON | COUNTRY | - and the | > 2.200 | Despiry descented, hely & rolling | Red Yuliue Purchele, Reditub Brean Labourie & Los Humo: Gay auto | Tes Most tone gebrs. ExperiAproduce Cras. Nature land, Path | |
| | | N | | and the second s | > 1.800 | Sheep, Mrk & rating | Reddon from Laborate, Immaker Brown Laws, Law Hants One & Net Yellow Podrate suits | Meal turne partient, Pathly Engel Aproxidure Doos, Tao | |
| Comp / / have / A | | L | 9 mm | | > 1,000 | Steep, My & saling | Restance descents, eventuale descent care, care france care, si an estato care a secondario de la constance descentario de la constance de la const | Main fore priors, Facel Articulus Cruz, Tax, Paths Rultur | |
| S . / / X / CA | | × I | - | 2 | > 1,400 | San and Second | | | |
| h (/) and the second | | | STORE OF STORE | 1 | | Help, rolling, unstabling & dates | Roddel BownLabords, Immatere Brown Lawn & Law Yurell Oby Inde | Meed home gardens, Export Agricultural Criga, Tex, Vegetables, Pably | |
| | | | × | 5 | > 3,200 | Pulling, unshading & hily | Bud Yolkan Pudantic, Bud Yolkan Pudantic solis with same prominent A1 horizon & Line Haime Usey solis | Tax, Rubser, Mask horse genters, Pably, Expert Agroutural Orga (D | |
| | | | COUNTRY | - | > 2,800 | Unitating & rating | Red Yoline Policels. & Lee Humit Clay sole | Rubber, Movel Tome getters, Padby | |
| | | | NUM COL | 3 | > 2,400 | Rolling, unskalaring and fait | Ned Yolter Potster, Low Humo Gey E. Bog and Half - Bog sole | Rubber, Tao, Cocorus, Month home ganteria, Platity, Export Agricultural | |
| L' -/ Xet n | | | MUN I | 2 months | > 2,200 | Steeply detacted, rolling & undukting | Red Yellew Publish: , Red Yellow Publish: ands with strongly multical auto-aut, Radiate Drawn Labourit: & Low Human Cary auto | Rutter, Geonal, Mont Yorke gardene, Paddy | |
| | | | WL3 | | > 1,700 | Rulling & unchasting | Red Yolew Podenics ands with used and hand beliefs, Low Humit Day & Regress with | Coronal, Pruit Crops. Mined Isone gardens, Pably | |
| | | | - | Sec. 1 | >2.400 | Maximon, sayly descort. My & using | Read Yudine Predicto, Microlane Regional & Lifectual acide | Teo. Export Agriculturel Grape (Canternern) , Natural Terret, Former plants | |
| ······································ | Xumm . | | | and the second s | > 2,100 | Maximoa, meyly desciet, hilp & tubrg | Rud Yuhow Pudanta, Mauritan Regioni & Liboosi awle | Tes, Vegetaties, Mead hore parters, Natural Tarest, Provel plantations | |
| () / ··································· | 18- | | ALL ALLA | Sala and | >1.900 | Streeply descented, telly & rolling | Red Yoline Publish: & Maurian Pagnad ans | Tes. Fired Partation | |
| surveyor | 0 | | COUNTRY | Sugar and | > 1,700 | Mantances, much deserted & bits | Red Yolaw Publish: Macrisen Regard & (Press) units | Tea, Natural Towal, Powel participan | |
| | 2 | | 6 Nor | Para and | > 1.600 | lines/y desected, tally & using | Red Yalise Puttolic & Low Farrie Gay sole | Tex. Veptaties. Pathy | |
| | 26 | | NIM | - | > 1.300 | Steep, May & rating | Red Yalise Passific & Mustern Report sale | Tasi, Vegetailee, Foreil Partatione, Natural Isreel | |
| the is the first from | Arrente | w | 8/24 | | > 1,400 | Strengty desarched, help & rolling | Red Yolme Publish & Low Hume Oney some | Teo, Vegetation, Publy, Mand Yorke garders | |
| GRan | - testine by (A) | NO | - | Sec | > 2.000 | Very state & hilly | Rectifich Brown Lateralis, Red Yalow Prototic, Immedian Brown Lawn , Loe Hand, Oley & Ubread ande | | |
| | (k' | Ň | | | >2,000 | Two along & unitating | Reddel Browl, Lekanse, Hell Yallow Problem, ennance Deser Laam, Lae Harris, Cale & Ulbrain exte Reddel Browl Earth, Reddel Brown Labority, Low Harris One, Martein Regeld & Librain sofa | Tas, Ingelalities, Mood None gardens, Paddy, Fored Planatore Nature Interest, Mood None gardens, Paddy, Cossilants | |
| . Martin Minacoka, | 1 | ш | (128) | ÷ | > 1,300 | Very steep, tilly & roling | Rectain Bream Lands, Teacter Diser Lausset, Jon Harris Linguid & Linear Lands Rectain Bream Lands, Immajore Bream Laurs, Muurtain Regional & Lineari anto | Natural Sevel, West Sorie gardeni, Padig, Chevilands | |
| · | | INTERMEDIATE | COUNTRY | | > 1,000 | Sines, 1dy & rating | Restan Share Latende, Emerged Gree Laten, Munter Hagent & Literat Ares Restan Smer Latende & Red Volte Potenti edu | Export Agriculture Crops, Mand horse perdens, Tex, Vapelables | |
| | | WE | | 5 | > 1,600 | Steen, rity & noting Very steen, rity & noting | Henderh Bream Latenatic, Inventore Bream Laten, Red Yellow Podastic, Low Harris Day & Liferard ands | Instand Tareet, Morel Tarrier partierie, Pakty, Teo, Vegetablee | |
| | | Ë | Q | 2 | > 1,000 | 10%, rating & steep | terrente some uterente, ernenter some uter, net vere renter somen. Uter some uter kunnen atte | Meet hone parters, Esperi Agrouture Oren, Patty | |
| | | 2 | - | - | > 1,200 | Bulling & and Alling | Redder's Breen Latende, Reddell Breen Earth & Law Hand, Glay earls | Maal tone prises, Equit Agriculture Crigs, Fallow, Vegatabas, Pa | |
| | E/ / | | 100a | - | > 1,100 | Despty desected, tely & rolling | Redder Brein Latente, Reddel Brein Lath A Lein Farm, Dag with Redde's Brein Latente & Installer Brein Lath with | Weath forme gardens. Export Agricultural Ciriga, Rubber, Vegetables, Par Vegetables, Tea, Moad Itone gardens, Export Agricultural Cirige | |
| man 17 - Stars man 2. The CU | JI Va 1 | - | 18.901 | | | | | | |
| -225-1-5 | | | CIRY | | > 1,400 | Rulling, unstabling & Sal | Red Yolice Pediadic axis with strongly method autowale, Red Yolice Pediadic, Low Harris Ging, Reddich Brown Laboratic & Regional axis | Countil, Masel home partients, Expert Apricultural Origin, Paddy, Rubba | |
| | tinger John | | COUNTRY | - | > 1,100 | Rulling, unskabling & fair | Red Yoles Publish, Robbil Bowi Lakastis, Robbil Bowi Lafe, Lew Harri, Day & Report auto | Counsel, Parkly Maref trans gardens, Export Apricultural Crops | |
| | | | o Mon | | > 1,300 | Ralling, undulating & fait Railing, hilly & undulating | Reddeh Broen Lamaak, Reddeh Broen Early, Law Hanno, Oley & Krenstant Broen Lama ade Reddeh Broen Early, Law Hanno Gay & Reddeh Broen Lamaals wate | Mast hone periers, Public, Paidy, Supercare Mast hone parters, Paidy, Rahlal Libert Crops, Binal, Supercare | |
| | 1 | | 9 | - | > 1,000 | Unitative | Nextee Invest Len, Low York Gay & Restant Sole Laboration was | Grand, Path Med have gallers | |
| | | | DLte | | > 1,100 | Rolling & unklasting | Ner Calas Brow, Reddel Browt Earth & Loe Hums Day sols Reddel Browt Earth & Loe Hums Day sols | County, Pattle, Meed horse gardens Meet horse partiers, Pattly, Farest plantations, South, Sugar same, Nat | |
| my | - | | DL.10 | - | > 900 | Onlining | Ruddah bruan Earth. & Low Harris, Day write | Rankel Upland Cross, Patity, Struk, Maai turne persona, Forei part | |
| | - | | DL. Se | | > 900 | Linksing | Rodshi brun Eath & Lee Yunii Dey sala | Rainfact Lightered Chapter, Paddy, Schute, Natural Standal, Formed plantisticres, S | |
| | | u . | DLN | - | > 900 | Unitating & he | Reddan Brawn Earth, Regneri & Lon Hurte, Chry ante | Raminel Uppand Chaps. Scrub. Publy | |
| | | z | DI N | 1 | > 900 | United | Restant Brann Earth & Low munit Gay sale | Raminel Losson's Circus, Particy, Burule | |
| and the second s | 3 | ZO | A B | 2 | > 800 | Unitating | Buddah Binan Earth, Law Humin Ging & Grummal anis | Rainfeet Upland Crops, Patity, Sonali, National Reveal | |
| | REFERENCE | DRY | o Mon | | > 1,300 | Uniteding | Non Cable Brown, Replan Brown Earth, Law Humis Gley & Del alivoid solle | Ranted Labord Crase, Patrix, Natural Torest, Supar cares, Surult | |
| NDIAN Ago-E | cological Region boundary | ö | 9 0.0 | · · · · · | > 1,100 | Unduating & flat | Non Calco Brown, Rectain Brown Earth, Old alunial, Line Humit, Gley, Regued & Subclose: Solowet sols | Paddy, Rainfed Uptend Crope | |
| DCEAN Dents | | | DL3 | 1 | > 800 | Put & signly unsating | Red Yolws (allow) & Regional with | Castree, Counted, Candharm, Strub, Natural Kreal | |
| | han 1 (2020) | | 01.4 | 2 | > 750 | Par . | Substated-Salaryate Sciences A Germani wite | Struk, Padly, Raelled Latend Draps | |
| | | | OLS. | | | | | | |

Mr T.M.J.Banders Mr M.A.K.Murasinghe

Counce for Agriculture Research Pol

Published under the direction of Additional Director - Natural Resources Management Cartre, D All rights reserved. May, 2003. No part of this addron may be reproduced, stored in any retrieval system or transmitted in any term by any means, electronic, mechanical, photocopying, recording or otherwise without prior permission of the Director General of Agriculture, Department of Agriculture, Sri Lanka



Sri Lanka: basic statistics related to food security

- Population: 20 + million
- Population density (2012) 325/Sq. km (54th)
- Average food ratio (2009): 30-60%
- Average household income (2009) mean 3300 us \$, median – 2200 us \$
- Labor force in Agriculture: 60%
- Lowland paddy extent : 0.82 million ha
- Highland for other food crops 1.2 million ha

Sri Lanka : basic statistics related to food security

- Income distribution (Gini coefficient of household income 2009-2010) : 0.49
- Average daily kilo calorie intake (2010): 2200
- Poverty head count index (2010): 8.9
- Population growth rate: 1%
- Per capita income rise 10-15%

Household Monthly Food Expenditure (%)

| Major food category | Sri Lanka (%) | Urban (%) | Rural (%) | Estate (%) |
|---------------------|------------------|-----------|-----------|------------|
| Cereals | 19.8 | 14.0 | 20.2 | 31.7 |
| Prepared foods | 10.6 | 15.5 | 10.0 | 5.9 |
| Pulses | 4.2 | 3.6 | 4.2 | 6.6 |
| Vegetables | 7.6 | 6.3 | 7.8 | 8.0 |
| Meat | 3.9 | 5.4 | 3.7 | 3.2 |
| Fish | 8.4 | 9.8 | 8.4 | 3.5 |
| Dried Fish | 3.8 | 2.6 | 4.1 | 2.6 |
| Coconut | 4.8 | 3.6 | 5.1 | 4.2 |
| Condiments | 9.0 | 8.1 | 9.2 | 9.4 |
| Milk & Milk foods | Q /I | 11 0 | <u>۶</u> | 6.6 |

预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_6884

