Note: 'Page numbers followed by "f" indicate figures and "t" indicate tables'.

A	AI. See Artificial intelligence (AI)
AAA. See Agricultural Adjustment Act (AAA)	Aid in United States, 68
AC. See Average check (AC)	Alfalfa, 383
Acceptable daily intake (ADI), 378	Alipay, 399–400
Acoustics, 482–483	Allergens, 388
Actual purchase price method, 461	America
Acute malnutrition, 217–219	dietary energy research in, 42
ADA. See American Disability Act (ADA)	food production in, 57–58
ADI. See Acceptable daily intake (ADI)	American Disability Act (ADA), 483
Advertising channels, 393–394	American food producers, 318
Africa, food production in, 57	Ammonia, 46
Agricultural Act, 92	Animal and Plant Health Inspection Service
Agricultural Adjustment Act (AAA), 62	(APHIS), 382
Agricultural Trade Development and Assistance	Animal husbandry, 170
Act, 89–93, 92t, 245	Annual cultivation, 169–170
Agricultural/agriculture, 125–127, 165,	ANP. See Applied Nutrition Projects (ANP)
168–171, 184, 202, 266	Anthroposophic farming, 183–184
agroforestry, 171	Antibrowning, 380
annual, monocultivation, and polycultivation,	Antimicrobials, 379
169–170	Antioxidants, 379–380
development, 157–158	AOFGS. See Australian Organic Farming and
economic development paradigm,	Gardening Society (AOFGS)
157—158	Aomi app, 396
employment in, 209–210	APHIS. See Animal and Plant Health Inspection
fisheries and aquaculture, 171–175	Service (APHIS)
green and evergreen revolutions, 172–174	Apple Pay, 399–400
food consumption on agroecological resource base,	Apples, 383
175–177	Applied Nutrition Projects (ANP), 96
food production, 167–168	Aquaculture, 171–175
intensification, concentration, and specialization of,	Artificial intelligence (AI), 398
175	in food industry, 397f
landscape, 23–25, 165–167	Asia, food production in, 57
pastoralism or pastoral farming, 170	Assurance, 419
permaculture, 171	Atlantic Charter, 64
productivity, 24–25	Atmospheric nitrogen, 46
revolution, 7–8, 22–23	Atwater, Wilbur Olin, 15–16
key innovations, 9t–10t	Atwater-Rosa calorimeter, 15
slash and burn, 169	Atwater-Rosa-Benedict calorimeter, 15
Agroecological resource base, impact of food	Australian Organic Farming and Gardening Society
consumption on, 250—252	(AOFGS), 56, 187, 194
Agroforestry, 171	Average check (AC), 432, 443

В	Burnet and Aykroyd report, 47–49, 54
Bacillus thuringiensis (BT), 128, 384	Butchers test, 452–453
Back of house area of foodservice space,	0
476–479	C
Barbeque cooking method, 294	Calorie Conversion Factors, 85
Basal metabolic rates (BMR), 32–33, 42	Canola, 385
Belief, food functions and, 325–327	CAP. See Common Agricultural Policy (CAP)
Beverage	Capitalism, 153
cost	Cardiovascular Diseases (CVD), 217
analysis, 438–439	Carnegie Institute (CI), 32–33
percentage, 436	Carryover utilization, improper, 468
trends	Carson, Rachel, 106–107
fermented drinks, 314–315	Cassava, 324
handcrafted beverages, 312–314	Catering management systems, 399
mocktails, 314	Catering product, 423–424
nonalcoholic beer, 314	CCP. See Committee on Commodity Problems (CCP)
Bid Sheet, 456	CEO: 408 412
Big data, 402–404	CEOs, 408–412
challenges, 403–404	Certified Naturally Grown, 195 CFS. See Committee for Food Security (CFS)
data collection, 402–403	CGM. See Confraria da Gastronomia Macaense
opportunities, 403	(CGM)
Bio-dynamics, 35, 55	Chá Gordo (fat tea), 337
farming, 184	Chamling, Pawan, 192
Bio-villages, 192	Chartered Institution of Building Services Engineers
Bioavailability, 216–217	(CIBSE), 480
Biodynamic farming, 184	Chemical farming, 185
Biofuels, 214—215	Chemical revolution, 12–14
Biological utilization, 244–246	Boussingault, Jean Baptiste, 13
Biotechnology, 26–28	Lavoisier, Antoine, 12–13
advances, 45	Liebig, Justus von, 13
key early dates in, 27t labeling for biotech food, 390	Voit, Carl, 13–14
Blogs, 395	Chicken, 299
BMA. See British Medical Association (BMA)	Children's Minimum Council, 30–32
BMI. See Body mass index (BMI)	China
BMR. See Basal metabolic rates (BMR)	food, solar terms, and festivals in, 295–302
Body mass index (BMI), 219	of organic pioneers, 183
Book-held risks, 146–147	Chinese Great Leap Forward Famine, 93–94
Boussingault, Jean Baptiste, 13	Chinese New Year, 296–299
Bovine Somatotropin (BST), 128	Chongyang festival, 301–302
BP. See British Petroleum (BP)	Christensen classification of work, 87, 88t
Break-even point, 441, 444	Chronic malnutrition, 217
Bretton Woods Agreement, 67–68, 80	CI. See Carnegie Institute (CI)
Britain	CIBSE. See Chartered Institution of Building Services
dietary energy research in, 42	Engineers (CIBSE)
food production in, 56–57	Cleanliness, 460
British Medical Association (BMA), 48	Closed hidden craft employment, 367
British Petroleum (BP), 98	Closed kitchen work, questioning of, 357–360
Brunching, 315–316	Closing inventory, 463
BST. See Bovine Somatotropin (BST)	Cloud, 400-402
BT. See Bacillus thuringiensis (BT)	CM. See Contribution margin (CM)
Bubble diagram, 479, 479f	CMS. See Content management systems (CMS)
U , ,	= · · · · · · · · · · · · · · · · · · ·

Cocktails, 314	Craft service aristocracy, 367–368
Coconut, 334	Craftsman, 367–368
Codex Alimentarius, 180, 378	Credit cards, 424
Collective ideology, 3–4	holders, 406–407
Colonial agriculturalism, 6–7	CRM. See Customer relationship management (CRM)
Color, 481–482	Cross-border nutritional collaboration, 47
Coloring agents, 380	Crowding, 398–399
Columbian Exchange, 6	CSD. See Commission on Sustainable Development
Combustive reaction, 12–13	(CSD); Consultative Subcommittee on Surplus
Comfortable restaurant design features, 480	Disposal (CSD)
Commission on Sustainable Development (CSD), 127	CSO, 142–143
Committee Against Malnutrition, 30–32	Culinary kitchen, 355–356
Committee for Food Security (CFS), 117, 214–215	Culinary math
Committee on Commodity Problems (CCP), 92	analyzing P&L Statement, 436–441
Common Agricultural Policy (CAP), 121, 126, 280	average check, 432
Communal dining style, 290–291	cost/volume/profit analysis, 441–445
Communication skill, 422–423	food and beverage cost percentage on P&L
Comparison Sheet, 456, 457t	Statement, 435–436
Competent catering system, 398	forecasting, 433–434
Complementary foods, 324	P&L Statement, 434–435, 435t
Compliance date, 386–387	percentages, 430
Computerized order placing system, 427	variance, 431
Confraria da Gastronomia Macaense (CGM),	Cultural/culture, 323–324
336–337	aspects in food chain, 346–347
Consultative Subcommittee on Surplus Disposal	capital, 330–331
(CSD), 93	food and, 324, 329–330
Consumer	Customer relationship management (CRM), 394, 403
care, 180–182, 181f	Customer(s), 394, 422
demands, 231–232	customer-oriented employees, 412–413
Contemporary marketing, 394–395	loyalty, 406–407
Contemporary open kitchen, 359–360	relationship, 395
Content management systems (CMS), 395	satisfaction, 362
Continued hybridization, 40–41	sovereignty, 362–363
Contribution margin (CM), 442–445, 471	CVD. See Cardiovascular Diseases (CVD)
Controlling costs and purchasing food	D
forecasting future sales, 449–451	D
issue needed products to production areas, 466	Daily production level, planning, 465–466
managing food and beverage production process,	Data
466–468	collection, 402–403
plan daily production level, 465–466	limitations, 236
price products at price customers feel, 468–471	production, 238
purchase and store-needed Food and beverage	loss, 401
supplies, 451–464	Data leakage. See Data—loss
sales histories maintenance, 448, 449t	"De facto" European Union, 144
Convenience foods, 468	Declaration of Geneva, 37
Conventional methods of breeding plants, 381–382	Declaration of the Rights of the Child, 37, 94
Core foods, 324	Deep-fried rice dumpling. See Jian dui
Corn, 384	Defense of the Realm Act (DORA), 29–30, 31t–32t
Cost	Delivery app, 396
cost/volume/profit analysis, 441–445	Depression, 37–38
contribution margin, 442–445	Development economics, 153–154
fixed and variable expenses, 441–442	Development paradigms, 153
of food issued, 463	Diet, 25–26

Dietary energy research, 42	ECOSOC. See Economic and Social Council
America, 42	(ECOSOC)
Britain, 42	Ecosystems, 249
Dietary studies, 14–16	Edible portion (EP), 452–453
Atwater, Wilbur Olin, 15–16	Education, 210
Frankland, Edward, 14	Effective customer communication, 394–395
Rubner, Max, 15	Effective management, 319
Voit, Carl, 14–15	Ele. me apps, 396
Digital payment platforms,	Electron microscopy, 59–60
399–400	Emitted greenhouse gases, 227
Dimensions of Emotional Work,	Emotional labor, 360–371
363, 364f	changing masculine identity of chef through public
Dining	display, 368–370
experience, 418	different emotional acting in closed and open
styles, 290–291	environments, 362–365
Direct calorimetry, 12–13	current emotional labor literature focus,
Director level employees, 409–410	362–365
Director of operations, 408–412	dimensions of emotional work, 364f
"Dirty work" practices, 358	esthetic labor, 366–368
Diversity, 410–411	theoretical considerations debate, 370
DNA	Emotional proletariat, 363–364
DNA-gene transfer theory, 89	Emotions, 360–361
molecules, 89	
DORA. See Defense of the Realm Act	Empathy, 419 Employment in agriculture, 209–210
	Empowerment, 426
(DORA)  Double Ninth Festival. See Chongyang festival	
0, 0	Emulsifiers, 381
Dragon boat festival, 299–300 Dried black moss, 298	Entitlement theory, 123
Dried oyster, 299	Environmental costs 224
	Environmental costs, 224
"Dual column" labels, 386	Environmentalism, 55–56, 106–107, 127, 247–248
Duanwu Festival. See Dragon boat festival	Enzymatic browning, 380
% DV. See Percent Daily Value (% DV)	EP. See Edible portion (EP)
E	ERP. See European Recovery Program (ERP)
	ERS. See Economic Research Service (ERS)
EAC. See European advisory Board (EAC) Earth, 143	Escherichia coli, 306—307
•	Essay on Principle of Population, 259–260
carrying capacity of, 264–267	Esthetic labor, 366–368
Earth Summit, 127 ECAFG. See Experimental Circle of Anthroposophical	EU. See European Union (EU)
	Europe
Farmers and Gardeners (ECAFG)	food production in, 57
Ecological accounting, 130–131, 344	scourge of, 121, 121t—122t
Ecological efficiency, 253	European advisory Board (EAC), 69
Ecological footprint, 344 Economic	European economic community, 93
	European Recovery Program (ERP), 82
development, 228–229	European Union (EU), 127, 144, 250, 378
front, 61–62	Eve Balfour and Soil Association,
growth, 175	United Kingdom, 188
reforms, 116	Evergreen revolutions, 172–175, 341–342
and social growth, 155	Experimental Circle of Anthroposophical Farmers
terms, 224	and Gardeners (ECAFG), 184
uncertainty, 113–114	Expiration date, 391
Economic and Social Council (ECOSOC), 82 Economic Research Service (ERS), 245	Exponential population growth curve, 259–260

F	crisis, 145–148
F&B. See Food and beverage (F&B)	and culture, 324
Facebook, 329	delivery service method, 357-358
Factor method, 452	and dining styles, 290–291
FAIRTRADE Mark, 317	and drink warnings, 389
Famines in Africa (1984–1985), 120–121	dyes, 380
FAO. See Food and Agricultural Organization (FAO)	food, rights, and politics
Fat Choy, 298, 299f	Chinese Great Leap Forward Famine, 93–94
Fat Choy Ho Si, 299	Declaration of the rights of the child, 94
FBS. See Food balance sheets (FBS)	European economic community, 93
FDA. See Food and Drug Administration (FDA)	FAO second world food survey, 86–87
Fermentation	FFHC, 94–96
drinks, 314–315	GATT, 82
food products, 311	gender and work rates, 87–88
technologies, 45	genetic engineering, 88–89
Fertile Crescent, 4–5	gold standard, 80
	green revolution, 97
Fertility, 227 Fortilizars, 45—46	hope, 97
Fertilizers, 45–46 Feetivels in China 205, 202	key dates of the period (1946 to 49 and
Festivals in China, 295–302	1950 to 59), 90t—91t, 95t—96t
FFHC. See Freedom from Hunger Campaign (FFHC)	kwashiorkor–marasmus debate, 98–99
FIFO. See First in first out (FIFO)	malnutrition and infection, 88
Final report of Mixed Committee, 49–51	Marshall plan, 81–82
Financial	PAG, 98–99
chaos, 145–148	
crisis, 146–148	post-war nutritional reconstruction, 82–86 single-cell proteins, 97–98
Fine dining restaurants, 475	9 1
First in first out (FIFO), 459	surpluses and Agricultural Trade Development
First Joint FAO/WHO Expert Committee on	and Assistance Act, 89–93
Nutrition, 85–86	third world food survey, 99
First World Population Conference, 43–44	United Nations human rights commission (1948),
Fisheries, 171–175, 202	80–81
Fixed expenses, 441–442	WFP, 96–97
Fixed labor cost, 439	impact of food consumption on agroecological
Flavor enhancers, 381	resource base, 250–252
Flavoring agents, 380–381. See also Texturizing	food identity, culture, and tourism, 329–330
agents	functions and belief, 325–327
flavor enhancers, 381	gap, 277
natural and synthetic flavors, 380-381	gastronomy tourism and cultural capital, 330–331
sweeteners, 380	habit, 327–328
Flavr Savr tomato, 128, 384	and health on war-footing, 58–59
Food, 10-11, 278-279, 289, 305, 323-324	industry, 393–394
carrying capacity of Earth, 264–267	IT tools for, 398–400
chain, 344	technology and artificial intelligence in, 397f
in China, 295–302	information transparency, 316
choices, 345-348	ingredients
classifications, 325t	allergens, 388
committee, 33	coloring agents, 380
confusing, 342–345	compliance date, 386-387
agricultural greenhouse gases emissions,	expiration and use-by dates, 391
345f	flavoring agents, 380-381
cost	food additives, 378–379
analysis, 437–438	food and drink warnings, 389
determination, 463–464	food labeling, 385
Hugo's Big Restaurant costs, 464t	genetically modified organisms, 381–382
percentage, 436	highlights of final nutrition facts label, 385-386

Food (Continued)	sustainable agriculture, 249-250
Hong Kong-Macau labeling/marking	sustainable natural resource limitations and resource
requirements, 390	wastage, 247–248
information on food label in United Kingdom,	tourism, 329–330
387–388, 387t	and tourism, 329
internationally deregulated and farmed GM crops,	transparency, 394
382–385, 383t	travelers, 331–332
nutritional additives, 380	trends and importance, 331–332
preservatives, 379–380	trophics, 252–254
texturizing agents, 381	UNESCO Creative Cities Network, 332
labeling, 385	waste, 201–202, 227, 236
labels, 316	key causes of, 228–229
loss, 227	Food additives, 378–379
Macanese cuisine and identity, 333–337	Food and Agricultural Organization (FAO), 65, 83,
Macao Special Administrative Region, China,	140, 172, 224–225, 347, 378
332–333	first world food survey, 84–85
Malthusian hypothesis, 259–263	second world food survey, 86-87
market, 206–207	Food and beverage (F&B), 473
miles approach, 342, 344	cost percentage on P&L Statement, 435-436
mountains, 121	beverage cost percentage, 436
population sustainability, 264–267	food cost percentage, 436
population trends, 258–259	expense analysis, 437–439
price volatility, 213–215	beverage cost analysis, 438–439
production, 56–58	food cost analysis, 437–438
Africa and Asia, 57	food cost determination, 463–464
Americas, 57–58	industry, 473
Britain, 56–57	production process, 466–468
Europe, 57	improper carryover utilization, 468
Russia, 58	inappropriate make or buy decisions, 468
providers, 394	overcooking, 467
science, 22	overportioning, 467–468
security, 81, 123, 140, 241–246	waste, 467
access, 244	purchase and store-needed food and beverage
availability, 244	supplies, 451–464
biological utilization, 244–246	purchasing ingredients, 455–459
conceptual framework, 243f	receiving goods, 459–462
Pandora's box, 246	inventory value determination, 460–462
stability, 244	placing items in storage, 459–460
service	spatial design and functionality
customer-oriented employees, 412-413	acoustics, 482–483
director level employees, 409–410	features of comfortable restaurant design, 480
General Managers, 409	foodservice design factors, 474–475
industry, 421	lighting and color, 481–482
managerial level employees, 409–410	space layout, 476–479
operators, 405–406	spatial allocation with types of service, 475, 475t
providers, 417	thermal, 480
senior management team, 408	trend in foodservice design, 482–483
service in hospitality management, 406	ventilation, 480–481
showmanship, 356–357	standardized recipes, 451–455
as social function, 290	Food and Drug Administration (FDA), 347, 379
and social occasions, 291–295	Food and Drugs (Composition and Labeling)
sovereignty, 284–285	Regulations, 390
supply, 341	Food balance sheets (FBS), 69, 215–216

"Food Code". See Codex Alimentarius	G
Food ordering system. See Meal ordering system	Galinha à Portuguesa (Portuguese style Chicken),
Food Standards Agency (FSA), 347	334–335, 335f
Food supply chain (FSC), 201–206,	Gardening, 188
237-238, 266	Gastronomy, 332
characteristics, 203-205	tourism, 330–331
commercial control, 210-213	GATT. See General Agreement on Tariffs and Trade
multi-disciplinary, 205–206	(GATT)
Foodservice	GDP. See Gross domestic product (GDP)
design	GE. See Genetic engineered/engineering (GE)
factors, 474-475	Gender, 87–88
flow, 478f	Gene splicing, 117–118
trend in, 482–483	General Agreement on Tariffs and Trade (GATT), 82,
interior design, 480	124-127, 159, 202, 281-283
styles, 233–235	General Managers, 409
lunch timings, 234–235	Genetic engineered/engineering (GE), 88–89,
staff feeding, 234	117-118
storage, handling and packaging, 235	comes of age, 128-129
transportation/distribution, 235	foods, 142-143, 382
Foodstagrams, 329	gains momentum, 125
Footprints, 130–131	ingredients, 346–347
Forecasting, 433–434	milestones, 113-114, 114t, 126t
forecasted revenue, 433	Genetically modified organisms (GMO), 117-118,
future sales, 449–451	124, 139, 180, 381-382. See also Internationally
Forestry, 202	deregulated and farmed GM crops
Founders Committee, 55–56	backlash, 144
Frankenfoods, 129	GM foods, 382
Frankland, Edward, 14	GHG. See Greenhouse gas emissions (GHG)
Free trade, 162, 280–281	Gibby's French Burger Beach Front revenue
Freedom from fear, 64	variance, 431
Freedom from Hunger Campaign (FFHC),	Gibby's French Burger Town Center revenue
94–96	variance, 431
Freedom from want, 64	Ginger, 325–326
of food, 65–70	Global agricultural/agriculture, 175–176
aid, welfare, and surpluses in United States, 68	global track, 166–167
Bretton Woods Agreement, 67–68	local track, 167
IAC on post-war food and relief, 68–69	production structure, 165–167
RDA, 69–70	Global food system, 201–202
UNRRA, 68	agriculture, forestry, and fisheries, 202
Freedom of speech, 64	employment in agriculture, 209–210
Freedom of worship, 64	features of "traditional" and "modern" food
French gastronomy, 290	systems, 204t
Front of house area of foodservice space, 476	food price volatility, 213–215
Frontend service skills, 422–423	FSC, 202–206
communication skills, 422–423	nutritional status, 216–219
guidelines on good telephone skills, 423–425	production, usage and needs, 215–216
Frontline	size of global food sector, 206–209
customer-facing employees, 412–413	current food usage, 209
workers, 360–361 ESA See Food Standards Agency (ESA)	global food production, 207–209, 207t
FSA. See Food Standards Agency (FSA) FSC. See Food supply chain (FSC)	sufficient food, 219
Fuel oil, 189	from traditional to industrialized, 205t
	Global food trade, 282–283
Future sales, forecasting, 449–451	Global food waste

Global food waste (Continued)	Н
attitudes to food, 226	Haber–Bosch process, 46
challenge ahead, 236–237	HACCP. See Hazard Analysis and Critical Control
data limitations, 236	Points (HACCP)
figures, 227–228	Hackers, 401
food waste historical perspectives, 225-226	Halal foods, 318
foodservice styles, 233–235	Handbook for Preparation of Food Balance Sheets, 85
key causes of food waste, 228-229	Handcrafted beverages, 312–314
economic development, 228-229	Handling of food, 235
personal preferences, 229	Hard skills, 354-355, 368-369
wholesale/retail sector, 229	Harold White and AOFGS, Australia, 187-188
terminology and typology, 226-227	Haughley Experiment, 188
undervaluation of food, 230–233	Hazard Analysis and Critical Control Points
waste prevention initiatives, 237-239	(HACCP), 400
Global governance, 278–279	Health, Nutrition, and Population Family (HNP
Global structure, 165–167	Family), 143–144
Global track, 166–167	Health and diet, 25–26
Global Warming Potential (GWP), 224	Health and nutrition, 12-14
Globalization, 159–160, 282–283	chemical revolution, 12-14
Glyphosate, 128	studies foster acrimony and collaboration, 47-51
GM-free zone, 181, 181f	Burnet and Aykroyd report, 47-48
GMO. See Genetically modified organisms (GMO)	cross-border nutritional collaboration, 47
GNP. See Gross National Product (GNP)	Joint memorandum of BMA and MoH, 48
Gold standard, 44–45, 80	Mixed Commission of LoN, 48-51
Golden age of nutrition, 60	Health foods. See Medicinal foods
Good telephone skills, guidelines on, 423–425	Health Organization of the League of Nations
do's and don'ts, 424–425	(HOLN), 41–42, 82
knowing "catering product", 423–424	dietary energy research, 42
Google Wallet, 399–400	Hegemony, 282–283
Governance	Heterogeneity, 421
and early food production, 28–30	Hidden hunger, 123–124
food and global governance, 278–279	High-Level Task Force (HLTF), 147
food gap, 277	Hindsight, 408
food sovereignty, 284–285	HKG. See Hong Kong government (HKG)
globalization, 282–283	HLTF. See High-Level Task Force (HLTF)
human rights to food rights, 274–277	HNP Family. See Health, Nutrition, and Population
land grabbing, 283–284	Family (HNP Family)
land use and land ownership rights, 277–278	HOLN. See Health Organization of the League of
regulation and trade, 279–281	Nations (HOLN)
free trade versus protectionism, 280–281	Hong Kong government (HKG), 390
safety nets and food reserves, 281–282	Hong Kong-Macau labeling/marking
Great Britain, 292–293	requirements, 390
Great Depression, 38–40	labeling for biotech food, 390
Green Food, 195	organic certification, 390
Green revolution, 97, 341–342	Hope, 97
Green revolutions, 172–174	Horizontal integration, 213
Green shoots of agricultural evolution, 45–47	Hospitality management, food service in
Greenhouse gas emissions (GHG), 344, 346–347	customer-oriented employees, 412-413
Gross domestic product (GDP), 153–154,	director level employees, 409–410
210-211 Cross National Braduct (CNB), 274, 276	General Managers, 409
Gross National Product (GNP), 274–276	managerial level employees, 409–410
Guayusa tea, 324, 324f	Scenario 1, 406
Gut feeling, 433	Scenario 2, 406–407
GWP. See Global Warming Potential (GWP)	senior management team, 408

Hot pot, 293, 294f	Indoor comfort, 480
Hotel Manager/Resident Manager, 409	Industrial revolution, 8
departmental structure, 410f	key innovations, 9t-10t
Human development, 274	Industrial revolution, 22–23
Human rights to food rights, 274–277, 275t	Infection, 88
Humanitarianism, maturing, 118–119, 119t–120t	Inflationary pressures, 215
Hunger, 241–242, 266–267	Information on food label in United Kingdom,
Hydrofluorocarbons, 344	387–388, 387t
Hydrogen gas, 46	Information technology (IT), 393–394
ĭ	Big data, 402–404
I	means of interactivity, 394–397
IAC. See Inter-allied committee (IAC)	new opportunities, 400–402
IBHI. See Independent Bureau for Humanitarian	Cloud, 400–402
Issues (IBHI)	Internet of Things, 400
IBRD. See International Bank for Reconstruction and	tools for food industry, 398–400
Development (IBRD)	payment, 399–400
ICCH. See International Commodity Clearing House	placing orders, 399
(ICCH)	POS, 398
ICCPR. See International Covenant on Civil and	reservations, 398–399
Political Rights (ICCPR) ICESCR. See International Covenant on Economic,	Ingredients purchasing, 455–459 best price to pay, 456
Social and Cultural Rights (ICESCR)	determining amounts required to
ICIHI. See Independent Commission on International	purchase, 456
Humanitarian Issues (ICIHI)	idea for purchase, 455
IDD. See Iodide and deficiency disorders (IDD)	preparing purchase order, 458–459
Ideological convergence	Innovative sustainable approaches, 341
Earth, 143	Inseparability, service operation, 421
food crisis and financial chaos, 145–148	Institute of Development Studies (IDS), 278–279
GMO backlash, 144	Institution of Mechanical Engineers (IMechE),
Much-Heralded Millennium Summit, 139–140	237–238
nutrition, 143–144	Insulin, 118
UN summit on MDGs (2010), 145	Intangibility, service operation, 420-421
WB, 143-144	Intellectual property rights (IPR), 212
WFS, 140-143	Inter-allied committee (IAC), 69
IDS. See Institute of Development Studies (IDS)	on post-war food and relief, 68-69
IFAD. See International Fund for Agricultural	Inter-Allied Scientific Food Commission, 33-34
Development (IFAD)	Interim Report of the Mixed Committee on the
IFOAM - Organics International, 191	Problem of Nutrition, 49-51
IFPRI. See International Food Policy Research	Internal service climate, 412–413
Institute (IFPRI)	International Bank for Reconstruction and
IIA. See International Institute of Agriculture (IIA)	Development (IBRD), 68
IIED. See International Institute for Environment and	International Bill of Human Rights, 107–113
Development (IIED)	International Commodity Clearing House (ICCH), 92
ILO. See International Labor Organization (ILO)	International Covenant on Civil and Political Rights
IMechE. See Institution of Mechanical Engineers	(ICCPR), 107
(IMechE)	International Covenant on Economic, Social and
IMF. See International Monetary Fund (IMF)	Cultural Rights (ICESCR), 107
Income Statement. See Profit and Loss Statement	International Federation of Organic Agriculture Movements, 191
(P&L Statement)	· · · · · · · · · · · · · · · · · · ·
Independent Bureau for Humanitarian Issues (IBHI), 118–119	International Food Policy Research Institute (IFPRI), 176, 251–252
Independent Commission on International	International Fund for Agricultural Development
Humanitarian Issues (ICIHI), 118–119	(IFAD), 117
Individual dining style, 290–291	( <i>n</i>

International Institute for Environment and	L
Development (IIED), 345	"La Via Campesina", 284–285
International Institute of Agriculture (IIA), 23-24, 47	Labeling for biotech food, 390
International Labor Organization (ILO), 47, 209	Labor expense analysis, 439
International Monetary Fund (IMF), 67	Lacto-ovo vegetarians, 311–312
International nutritional requirements, 85	Lacto-vegetarians, 311–312
International Refugee Organization (IRO), 82-83	Land
International Sanitary Conference (ISC), 12	grabbing, 283–284
International standards of dietary nutrition, 60	land use and land ownership rights, 277-278
International Trade Organization (ITO), 82	Lasting legacy, 263
Internationally deregulated and farmed GM crops,	Lavoisier, Antoine, 12–13
382-385, 383t. See also Genetically modified	Leadership in Energy and Environmental Design
organisms (GMO)	(LEED), 483
alfalfa, 383	Leaf-wrapped rice dumpling. See Zongzi
apples, 383	League of Nations (LoN), 41, 47, 54-55
canola, 385	Mixed Commission of, 48-51
corn, 384	nutritional recommendations, 52t
papayas, 383	League of Nations, 36–37
potatoes, 384–385	Lecithin, 384
soybeans, 384	LEED. See Leadership in Energy and Environmental
sugar beets, 384	Design (LEED)
tomatoes, 384	Legislation for food labeling, 385
Internet of Things (IoT), 394, 400	Leith Ross Committee, 82–83
Interventionism, 11, 29–30	Lever Food Control Act (1917), 29-30
Inventory value determination, 460-462, 461t	Liberalization, 281
actual purchase price method, 461	Liebig, Justus von, 13
latest purchase price method, 462	Lighting, 481–482
weighted-average purchase price method, 462	Living Soil, 188
Involvement, 421	Living Soil Association of Tasmania (LSAT), 187
Iodide and deficiency disorders (IDD), 124	Local track, 167
IoT. See Internet of Things (IoT)	Logistics management system, 399
IPR. See Intellectual property rights (IPR)	LoN. See League of Nations (LoN)
IRO. See International Refugee Organization (IRO)	Look to Land (Northbourne), 184-185
ISC. See International Sanitary Conference (ISC)	"Love Food Hate Waste" campaign, 239
IT. See Information technology (IT)	Loyalty programs, 396–397
ITO. See International Trade Organization (ITO)	LSAT. See Living Soil Association of Tasmania
	(LSAT)
J	Lunch timings, 234–235
Japan of organic pioneers, 183	
Jian dui, 300	M
**	Macanese cuisine and identity, 333-337
K	Macao Special Administrative Region, China,
Kefir, 311, 311f	332-333
"Keynesian" revolution, 44-45	Malicious internal employees, 401
Kimchi, 290	Malnutrition, 88, 216, 266-267
King, Franklin of organic pioneers, 183	Malthusian hypothesis, 259–263
Knock-on effect, 146–147	lasting legacy, 263
Kombucha (fermented drink), 315	Management by walking around (MBWA), 411-412
Korea of organic pioneers, 183	Managerial level employees, 409-410
Kosher food, 318	diversity, 410–411
Kvass (fermented drink), 315	MAR. See Muslim Agricultural Revolution (MAR)
Kwashiorkor, 85–86	Margin of Error, 465
kwashiorkor-marasmus debate, 98-99	Marine Stewardship Council (MSC), 319

Marketing spin, 347	Modern food service operators, 405
Marshall plan, 81–82	Modern western diet, 325–326
MBWA. See Management by walking around	MoH. See Ministry of Health (MoH)
(MBWA)	"Moment of truth", 425-426
MDGs. See Millennium Development Goals (MDGs)	Monocultivation, 169–170
MDR. See Minimum Dietary Requirements (MDR)	Moon cake, 301
Meal	Moon festival, 300–301
experience, 420–421	Mooncake Festival, 301
ordering system, 399	MSC. See Marine Stewardship Council (MSC)
Means of interactivity, 394-397	Much-Heralded Millennium Summit, 139-140
loyalty programs, 396-397	Multi-disciplinary FSC's, 205-206
mobile apps, 396	drivers of FSC change, 206
responsive website, 395	Multilateral cooperation, 282–283
social media and blogs, 395	Multilateral dialogue, 37
technology and AI in food industry, 397f	Multilateral food aid program, 96
Meat, 252-254	Multilateralism, 52–55
Medicinal foods, 309-312, 311f	League of Nations, 54-55
veganism, 311–312	poverty and supply, 54
Menu prices, assigning, 470-471	Multiple cropping, 170
product contribution margin, 471	Multiple regression equations, 32–33
product cost %, 471	Muslim Agricultural Revolution (MAR), 6
Messina Conference, 93	-
Metabolic studies, 32–34	N
Metabolization, 13-14	NAFEM. See North American Association of Food
Microbiology, 45	Equipment Manufacturers (NAFEM)
Microbiomes, 311	National Institute on Aging (NIA), 307–308
Microbreweries, 313	National Institutes of Health (NIH), 307–308
Microorganisms, 311	National Research Council (NRC), 59, 69
Mid-Autumn Festival, 300–301	"Natural agricultural" bio-dynamic farming, 55
Millennium Development Goals (MDGs), 140	Natural flavors, 380–381
UN summit on, 145	Natural resources, 223-224, 342, 346-347
Minchi (Sautéed minced meat), 335-336, 336t	Negative emotion, 362
Minimum Dietary Requirements (MDR), 33	Neo-liberalist ideology, 118
Ministry of Health (MoH), 48	Neolithic Revolution, 4–5
Mixed Commission of LoN, 48-51	New South Wales grazier (NSW grazier), 187
Mobile	New York Columbia University Millennium Villages
apps, 396	project, 342
payment, 399–400	NGO. See Nongovernmental organization (NGO)
Mobile Order & Pay apps, 396	NIA. See National Institute on Aging (NIA)
Mocktails, 314	Nian gao (Glutinous rice cake), 297–298, 298f
Modern agriculture, 5–7	NIH. See National Institutes of Health (NIH)
colonial agriculturalism, 6–7	No-observed-adverse-effect level (NOAEL), 378
Columbian Exchange, 6	Nonalcoholic beer, 314
Muslim agricultural development, 6	Nonenzymatic browning, 380
Modern development theory, 155	Non-GHG, 344, 346-347
agricultural economic development paradigm,	Nongovernmental organization (NGO), 92, 94,
157–158	142–143, 273–274
development	Nonnutritive sweeteners, 380
models, 156t	Noodles, 299
in practice, 158–159	North American Association of Food Equipment
globalization, 159–160	Manufacturers (NAFEM), 475
questioning agricultural free trade, 162	Northbourne, Lord, 184–185
right to food, 160–162	Nouvelle cuisine development, 355–356
<u> </u>	

NRC. See National Research Council (NRC)	ORAC. See Oxygen radical absorbance capacity
NSW grazier. See New South Wales grazier	(ORAC)
(NSW grazier)	Order amount, 456
Nutrients, DV for, 386	Organic
Nutrition(al), 12-14, 30-34, 143-144, 346-347	acids, 380–381
additives, 380	agriculture, 180
daily calorie requirements, 34t	certification, 390
metabolic studies, 32–34	farming, 35, 55–56, 180, 183
Royal Society's daily recommended food provision,	food and agriculture, 180-182, 194
33t	certification and organics hinterland, 194-195
status, 216–219	consumers care, 180–182
sweeteners, 380	organics by numbers, 182
	pesticides and externalities, 193-194
0	gardening, 183, 186
ODI. See Overseas Development Institute (ODI)	pioneers, 183–193
Office International d'Hygiène Publique (OIHP), 12,	China, 183
41, 82	Ehrenfried Pfeiffer in Switzerland, and
Office of Foreign Relief and Rehabilitation	biodynamic farming, 184
Operations (OFRRO), 68, 82–83	Eve Balfour and Soil Association, United
Official occasions and food, 291–295	Kingdom, 188
Great Britain, 292–293	Franklin King, 183
People's Republic of China, 292	Harold White and AOFGS, Australia, 187–188
private occasions, 293–295	Japan, 183
OFRRO. See Office of Foreign Relief and	Jerome Rodale in United States, 185–186
Rehabilitation Operations (OFRRO)	Korea, 183
OIHP. See Office International d'Hygiène Publique	Lord Northbourne, 184–185
(OIHP)	Marjorie Spock, Mary Richards, Rachel Carson,
Oil Producing Exporting Countries (OPEC), 116,	and Silent Spring, 189–191
145-146	Pawan Chamling in Sikkim, India, 192
On-hand amount, 456	permanent agriculture, 183
On-the-ground farmers, 46	Roland Chevriot in France, and IFOAM, 191
Online booking system, 398-399	Rudolf Steiner at Koberwitz, and anthroposophic
Online customer reviews management, 395	farming, 183–184
OPEC. See Oil Producing Exporting Countries	Vladimir Putin in Russia, 192–193
(OPEC)	Organic farming, 180, 184–185, 188
Open kitchen, 357–360	bio-dynamics and, 35
chef, 365	and environmentalism, 55-56
Open professional kitchen	Organic Farming and Gardening, 183, 185
changing orientation of restaurant, 355–356	Jerome Rodale in United States and, 185-186
emotional labor, 360–371	Organic Farming Digest, 187
experience economy and development of	Outdoor comfort, 480
contemporary open kitchen, 359-360	Overcooking, 467
open kitchen, 357–360	Overnutrition, 216–219
questioning of closed kitchen work, 357–360	Overportioning, 467–468
restaurant in industrial era, 354–355	Overseas Development Institute (ODI), 278–279
restaurant kitchen in service economy, 356-357	Ovo-vegetarians, 311–312
Open Rice app, 396	Oxygen radical absorbance capacity (ORAC),
Opening inventory, 463	307–308
Operational costs, 405	
Operational level employees	P
General Managers, 409	P&L Statement. See Profit and Loss Statement (P&L
senior management team, 408	Statement)
Optimum population capacity, 264	Packaging of food, 235, 316
· · · ·	· -

PAG. See Protein Advisory Group (PAG)	Potatoes, GM, 384-385
Papaya ringspot virus (PRSV), 383	Potluck, 291
Papayas, GM, 383	Poverty
Par value, 456	and famines, 123
Pastoral farming. See Pastoralism	and supply, 54
Pastoralism, 170	Preindustrialization of fertilizers, 46
Payment, 399-400	Preservatives, 379–380
PCR. See Polymerase Chain Reaction (PCR)	antibrowning, 380
Pectin, 381	antimicrobials, 379
PEM. See Ergo more protein (PEM)	antioxidants, 379-380
Penicillin, 45	"Prevalence of Undernourishment" figures, 218
People power, 282–283	Price
People's Republic of China, 292	assigning menu, 470–471
Percent Daily Value (% DV), 385-386	comparison sheet, 456, 457t
Percentages (%), 430	price/value relationship, 469-470
revenue variance, 430t	products at price customers feel, 468-471
Peripheral foods, 324	Private occasions, 293–295
Perishability, 421	Barbeque, 294
Permaculture, 171	hot pot, 293, 294f
Permanent agriculture, 183	Picnic, 294–295
Personal and cultural, 226	"Problem of Nutrition", 49-51
Pesticides, 306–307	Product
and externalities, 193-194	contribution margin, 471
Pfeiffer, Ehrenfried in Switzerland, and	cost %, 471
biodynamic farming, 184	flow, 477
Picnic, 294–295	loss, 452–453
PL 480. See Public Law 480 (PL 480)	specification, 455
Plant	Product waste. See Product loss
breeding, 381	Product yield, 452-455
hybridization, 27–28	Production, 238
Plantation economy, 6	skill, 367
Plated food, 357	targeted awareness campaigns, 238-239
Point of sales systems (POS systems), 397-398	Professional cooking, 354–355
Pollution, 227	Professional ethos, 363–364
Polycultivation, 169–170	Profit analysis, 440–441
Polymerase Chain Reaction (PCR), 125	Profit and Loss Statement (P&L Statement), 434-435
Population	435t, 448
pressure resurfaces, 43–44	analyzing, 436–441
sustainability, 264–267	analyzing other expenses, 440
trends, 258–259	analyzing profit, 440–441
Portuguese style Chicken. See Galinha à Portuguesa	food and beverage expense, 437-439
(Portuguese style Chicken)	labor expense, 439
POS systems. See Point of sales systems (POS	revenue, 437
systems)	food and beverage cost percentage on, 435-436
Post-war nutritional reconstruction, 82–86	Protectionism, 280–281
FAO, 83	Protein
first world food survey, 84-85	calorie deficiency diseases, 98-99
International nutritional requirements, 85	energy
kwashiorkor and protein energy malnutrition,	malnutrition, 85–86
85–86	requirements, 86
protein energy requirements, 86	Protein Advisory Group (PAG), 87, 98–99
UNICEF, 84	Provisioning, 56–59
WHO, 83	PRSV. See Papaya ringspot virus (PRSV)

Public Law 480 (PL 480), 89, 92t, 245	Richards, Mary T., 189-191
Purchase, 463	Right to food, 160-162
food and beverage supplies, 451-464	Rio Earth Summit, 127, 250
order preparation, 458–459	Risk management, 244
Purchased state, 452-453	Rodale, Jerome Irving, 185-186
Push theory, 393–394	Roland Chevriot in France, 191
·	Royal Society's War Committee, 33
Q	Royal Sugar Commission, 30
Qi of body, 325–326	Rubner, Max, 15
Qingming festival, 301–302	Rudolf Steiner at Koberwitz, and anthroposophic
QMS. See Queue management system (QMS)	farming, 183–184
Quality, 419–420	Rural-Urban dynamic, 266-267
controls, 160	Russia, food production in, 58
food, 54	-
product, 470	S
service, 418, 420	SA. See Soil Association (SA)
"Quantum satis", 378	SAC. See Science Advisory Committee (SAC)
Questioning agricultural free trade, 162	Saccharomyces cerivisiae, 315
Queue management system (QMS), 398-399	Safety
, , , , , , , , , , , , , , , , , , ,	margins, 449
R	nets and food reserves, 281-282
Rachel Carson, 189–191	Sales
Rainforest Alliance Certified seal, 317	forecasting future, 449-451
Rapeseed. See Canola	histories maintenance, 448, 449t
Rationing, 29–30, 56–59	Sanitary conferences, 12
Raw foods, 306–307	Save the Children International Union
raw cacao nibs, 307f	(SCIU), 94
RDA. See Recommended dietary allowances (RDA)	"Save the Children's fund", 37
rDNA. See Recombinant DNA (rDNA)	School Fruit and Vegetable Scheme
Ready foods, 468	(SFVS), 194
Rearing livestock, 252–253	Science and technology, 59-60
Reciprocity, 412–413	Science Advisory Committee (SAC), 107
Recombinant DNA (rDNA), 117–118	Scientific Food Commission, 33-34
Recommended dietary allowances (RDA), 69-70	SCIU. See Save the Children International Union
Relationship marketing, 406-407	(SCIU)
Reliability, service quality, 419	SCN. See UN Standing Committee on Nutrition
Reservation, 398–399	(SCN)
policy, 424	SCOBY. See Symbiotic Culture of Bacteria and Yeast
Resource wastage, 247–248	(SCOBY)
Responsive website, 395	SCP. See Single cell proteins (SCP)
Responsiveness, 419	Secondary foods, 324
Restaurant	Sedentary cultivation, 4–5
apps, 396	Seeds of Destiny, 84
business, 426	Senior management team, 408
changing orientation of, 355-356	Serialization, 106–107
in industrial era, 354–355	Service, 418–420, 419f
kitchen in service economy, 356-357	operator, 426
operation, 448	restaurant kitchen in service economy,
service space, 354–355	356-357
Revenue	service-oriented attitude, 425-426
analysis, 437	service-oriented food industry, 402
variance, 431	staff interaction, 357–358
Rice, 324, 327	Service Profit Chain model, 412-413
field eel, 300	Service quality, 418-420, 419f, 425-427

managing, 420–425 frontend service skills, 422–423	Space layout, 476–479 back of house, 476–479
product/service matrix, 420f	front of house, 476
Servicescape, 357–358, 473–474	Spatial allocation with service types, 475, 475t
"SERVQUAL" model, 419	Spock, Marjorie, 189–191
SFVS. See School Fruit and Vegetable Scheme	Spring Meeting of American Institute of Nutrition,
(SFVS)	69-70
Shared environment, 401	SSOB. See Sikkim State Organic Board (SSOB)
Shelving, 460	Stabilizers, 381
SIK. See Swedish Institute for Food and	Staff feeding, 234
Biotechnology (SIK)	Standardized recipes, 451–455
Sikkim State Organic Board (SSOB), 192	product yield, 452–455
Silent Spring, 106, 189–191	State Banquet, 291–293
Silver service, 355–356	State of Food Insecurity, 147
Single cell proteins (SCP), 97–98, 124	Stock management, 232
partial success, 124	Storage
"Skilled" emotion work, 365	containers, 460
Slash and burn, 169	of food, 235
Small to medium enterprises (SMEs),	Store-needed food and beverage supplies, 451-464
282-283	Stunting metric, 219
SNA. See System of National Accounts (SNA)	"Style labor" market, 366
Social	Sufficient food, 219
capital, 274	Sugar beets, 384
evolution, 3–4	Sulfites, 380
growth, 175	Superfoods, 307–308
justice, 274	acai powder, 309f
Social media, 329, 395	"Surface acting", 370
Social occasions, food and, 291-295	Surpluses, 37–38, 62, 89–93
official occasions, 291–295	in United States, 68
Social pressures, 203–204	Sustainability, 224, 247, 249
Social welfare programs, 116	Sustainable agriculture, 249–250
Society, 22, 289	Sustainable carrying capacity of Earth, 264
Socio-political tectonics, 35–40	Sustainable development, 115
Great Depression, 38–40	Sustainable fish stocks, 319
League of Nations, 36–37	Sustainable natural resource limitations, 247-248
surpluses and depression, 37-38	Swedish Institute for Food and Biotechnology (SIK),
Sociopolitical food and nutrition	224-225
agricultural revolution, 7–8	Sweet rice dumpling, 299
dietary studies, 14–16	Symbiotic Culture of Bacteria and Yeast (SCOBY),
growth of agricultural civilizations, 4-5	315
health and nutrition, 12–14	Synthetic flavors, 380–381
industrial revolution, 8	System of National Accounts (SNA), 131
modern agriculture, 5–7	_
sociocultural movements, 8–11	T
Soft skills, 367–369	Take-back schemes, 229, 232
Soil	Tangerine, 299
degradation, 227	Tangibles, 419
as living organism, 185	Tangyuan, 299
Soil Association (SA), 55–56	Technology, 26–28, 59–60
Soil bank program. See Agricultural Act	Telephone call center workers, 366
Solar terms in China, 295–302, 297t	Texturizing agents, 381. See also Flavoring agents
Soybeans, 384	emulsifiers, 381

Texturizing agents (Continued)	Undervaluation of food, 230-233
stabilizers, 381	consumer demands, 231-232
Theater kitchen. See Open kitchen	overordering, 232–233
Third world food survey, 99	poor food planning, 230
Third-party mobile apps, 396	portion sizes, 230–231
Time/Temperature Indicators (TTI), 235	stock management, 232
Tomatoes, 384	Underweight metric, 219
Tomb sweeping festivals, 301–302	UNDP. See UN Development Program (UNDP)
Tourism, 323–324	UNEP. See United Nations Environmental Program
food and, 329	(UNEP)
Traditional Chinese medicine, 325–326	UNESCO. See United Nations Educational, Scientific,
Traditional western restaurant kitchen, 354	and Cultural Organization (UNESCO)
Traffic flow, 477	UNICEF. See United Nations International Children's
Transhumance, 170	Emergency Fund (UNICEF)
Transportation/distribution of food, 235	United Kingdom (UK)
Treaty of Versailles, 36–37	food labeling and packaging legislation in, 388
Trending foods and beverages	food stamp program, 62–63
beverage trends, 312–315	information on food label in, 387–388
brunching, 315–316	United Nations (UN), 63–65
FAIRTRADE Mark, 317	Food and Agriculture Organization, 65
food labels, 316	United Nations Conference on the Human
	Environment (UNCHE), 115
Halal foods, 318  Vesher food, 318	United Nations Educational, Scientific, and Cultural
Kosher food, 318	
medicinal or health foods, 309–312	Organization (UNESCO), 290, 295–296, 332
Rainforest Alliance Certified seal, 317	United Nations Environmental Program (UNEP), 115
raw foods, 306–307	United Nations human rights commission (1948),
superfoods, 307–308, 308t	80–81
USDA organic, 316–317	United Nations International Children's Emergency
vegan logos, 317–318	Fund (UNICEF), 84, 278
whole foods, 306	United Nations Relief and Rehabilitation
Trophics, 252–254	Administration (UNRRA), 68, 82–83, 94
TTI. See Time/Temperature Indicators (TTI)	United States
Twitter, 329	Jerome Rodale in, 185–186
••	welfare, and surpluses in, 68
U	United States Administrator of Agency for
UberEATS apps, 396	International Development (USAID), 173, 245
UDHR. See Universal Declaration of Human Rights	United States Department of Agriculture (USDA), 42,
(UDHR)	68, 96-97, 183, 245, 316-317
UN. See United Nations (UN)	organic, 316–317
UN biosafety protocol, 144	recommended daily requirements, 43t
UN Conference on Environment and Development	United States Department of Agriculture's Economic
(UNCED), 127	Research Service (USDA/ERS), 219
UN Development Program (UNDP), 274–276	Universal Declaration of Eradication of Hunger and
UN Monetary and Financial Conference, 67	Malnutrition, 116–117
UN Standing Committee on Nutrition	Universal Declaration of Human Rights (UDHR), 80,
(SCN), 216	107
UN summit on MDGs (2010), 145	Universal Design, 483
UN's Research Institute for Social Development	UNRISD. See UN's Research Institute for Social
(UNRISD), 278–279	Development (UNRISD)
UNCED. See UN Conference on Environment and	UNRRA. See United Nations Relief and
Development (UNCED)	Rehabilitation Administration (UNRRA)
UNCHE. See United Nations Conference on the	UNWTO. See World Tourism Organization
Human Environment (UNCHE)	(UNWTO)
Undernourishment/undernutrition, 216–217	Urbanization, 266–267
Undernutrition, 216–219	Claumadory 200 207

US Environmental Protection Agency (US EPA),	Wholesale/retail sector, 229
190, 480	WI. See Women's Institute (WI)
US Foreign Assistance Act, 82	Wi-Fi networks, 402
USAID. See United States Administrator of Agency	Winds of change
for International Development (USAID)	agricultural landscape, 23–25
USDA. See United States Department of Agriculture	bio-dynamics and organic farming, 35
(USDA)	biotechnological advances, 45
USDA/ERS. See United States Department of	continued hybridization, 40–41
Agriculture's Economic Research Service	economic front, 61–62
(USDA/ERS) Use-by dates, 391	freedom from want of food, 65–70 gold standard, 44–45
<b>T</b> 7	governance and early food production, 28–30
V	green shoots of agricultural evolution, 45–47
3V of Big data. See Volume, Velocity, Variety of Big	health and diet, 25–26
data (3V of Big data)	health and nutrition studies foster acrimony and
Variable costs (VC), 443	collaboration, 47–51
Variable expenses, 441–442	HOLN, 41–42
Variance, 431	key dates of the period, 31t–32t,
Gibby's French Burger Town Center revenue	39t-40t, 50t, 70t-71t
variance, 431	multilateralism, 52–55
VC. See Variable costs (VC)	nutrition, 30–34
Vegan, 312	organic farming and environmentalism, 55–56
logos, 317–318	population pressure resurfaces, 43–44
Vegan Awareness Foundation, 317–318	science and technology, 59–60
Veganism, 311–312	Second World War, 56–59
Vegetables, 171	socio-political tectonics, 35–40
Vegetarian diets, 312	surpluses, 62
Ventilation, 480–481	technology and biotechnology, 26–28
Vertical integration, 213	UK food stamp program, 62–63
Visibility, 475	United Nations, 63–65
Vladimir Putin in Russia, 192–193	Winter Solstice festival, 302
Voit, Carl, 13–15	Women's Institute (WI), 225–226
Volume, Velocity, Variety of Big data	Word-of-mouth management, 395
(3V of Big data), 402	Work rates, 87–88
W	Workflow, 477
	World Rople (WR) 68, 142, 144
War-footing, food and health on, 58–59	World Bank (WB), 68, 143–144 World Child Wolfaro Charter, 37
Waste, 467 % of product, 453	World Child Welfare Charter, 37 World debt, 116
prevention initiatives, 237–239	and economic reforms, 116
Wasting metric, 219	World Food Conference (WFC), 116–117
Water kefir, 315	World Food Council (WFC). See World Food
WB. See World Bank (WB)	Conference (WFC)
Website, responsive, 395	World food crisis, 115
WeChat pay, 399–400	World Food Program (WFP), 96–97
Weighted-average purchase price method, 462	returning burden of surplus, 96–97
Welfare in United States, 68	World Food Reserve, 92
WFC. See World Food Conference (WFC)	World Food Summit (WFS), 129–130,
WFP. See World Food Program (WFP)	131t, 140–143, 141t–142t
WFS. See World Food Summit (WFS)	World Food Travel Association, 331–333
Wheat, 252–254	World Freedom from Hunger Week, 94
White House, 107, 108t–113t	World health organization (WHO), 83, 216, 219, 278
WHO. See World health organization (WHO)	347, 378
Whole foods, 306	World Tourism Organization (UNWTO), 329, 331
market, 306	World Trade Organization (WTO), 125–126,
Whole package, 278	144, 202, 281

524

Y

Yelp app, 396 Yerba mate, 326, 326f Yield test, 452–453 Yucca, 324 Index

Z

Zongzi, 300 Zymotechnology, 45