

'SWEET BUSINESS' OF BEEKEEPING PROTECTS ZIMBABWE FORESTS

MUTARE, Zimbabwe: Divas Matinyadze's 47 beehives are hidden away in a dense patch of forest, along a narrow dirt path beside a small river in Mpudzi Resettlement Scheme. "If you cut a tree anywhere near my beehives, you are assured of trouble from me," chuckled Matinyadze. "These trees belong to my bees". He carefully inspected one of the traditional hives, fashioned from a dead tree trunk, warning in a whisper: "Don't come close - the bees are only used to me and can easily be upset."

In this part of eastern Zimbabwe, vast tracts of land have been cleared over the past decade, mostly by tobacco farmers who use firewood to cure their crop. Efforts by the government to encourage those farm-

ers to plant and maintain their own woodlots for a ready supply of fuel have gained little traction. Up to a fifth of the country's 330,000 hectares (815,448 acres) of natural forest is cut down by tobacco farmers each year, according to Zimbabwe's Forestry Commission.

Selling firewood has also become big business for rural and peri-urban communities due to the frequent power outages experienced in the country. But there are greener alternatives for making a living, experts say, such as beekeeping. Every district now has flourishing beekeeping projects, sustaining thousands of households. The number of beekeepers is growing steadily, and has topped 50,000, according to the Beekeepers Association of Zimbabwe.

Beekeeping is fast becoming a profitable activity thanks to high domestic demand for honey as a food and other products such as beeswax which is used to make candles, the association says. Beekeeping is also proving an innovative way to protect forests. "As beekeepers we jealously look after the environment because beekeeping depends on good water sources and good forage for pollen," Matinyadze said. "There are lots of trees where my beehives are."

Matinyadze was taught beekeeping under a program initiated by the government's Department of Agricultural Technical and Extension Services (Agritex). International organisations have also been involved in training beekeepers, and processing and marketing

honey, including development charity World Vision Zimbabwe and the EU-funded Forest Forces project.

Drought Hits Crops

With weather patterns becoming more erratic, harvests from rain-fed agriculture are increasingly unreliable, forcing many farmers to look for other ways to keep up their income. This year, the country suffered one of the worst El Nino-induced droughts in history, hot on the heels of a devastating drought in the 2014/15 farming season. The impact on agriculture has left more than 4.5 million Zimbabweans without enough to eat this year, according to the government, which estimates at least \$1.6 billion is needed to feed them.

Before switching to beekeeping, Matinyadze was a successful cotton and maize farmer, but he abandoned those crops for bees in 2014. The results have been encouraging. "Beekeeping is profitable - it's a sweet business," he said. Matinyadze earns up to \$60 per beehive during the honey harvest twice a year. He can afford to buy food for his family, but is quick to add that the current drought has cut honey production. "I have delayed my March harvest as there is little pollen, but the effect of the drought has not been as bad on my bees as it was on my crops," he noted.

Buzz Off

Another beekeeper in Chipinge district, Isaac

Mamboza, told the Thomson Reuters Foundation he had joined a group of 25 to start a beekeeping project. "We have discovered that beekeeping can help to protect our forests," Mamboza said. "Most of our beehives are on trees near our dam - no one will tamper with (them)." Amon Vhumbu, a traditional leader in Chipinge, said his community was looking at ways to incentivize forest conservation through beekeeping. "Beekeepers are protecting our forests at the same time as making money out of the initiative," he said.

Traditional leaders see themselves as custodians of natural resources in rural communities. "We take protection of our environment seriously - anyone caught cutting down a tree in this area is heavily fined," Vhumbu said. Bee enthusiast Mathew Matongwani said every modern beekeeper needed to maintain a forest plot in which to place their beehives. "Apart from the business of honey, beekeepers are committed to protecting and conserving the forests from anyone who causes fire outbreaks, or wood poachers," he said.

Matongwani gained significant beekeeping experience when working for Environment Africa, a regional organization that has assisted thousands of beekeepers through green action groups. "Water flow in some rivers has improved significantly as a result of conservation of catchment areas by local beekeepers," Matongwani said. —Reuters

Daily Kuwait Stock Exchange Report

Monday 27 June 2016

Index	Change	Closing	Last Closing	High	Low
Price Index	▲ 18.22	5,366.14	5,347.92	5,367.43	5,346.23
Weighted Index	▲ 1.46	351.19	349.73	352.30	349.58
KSX 15	▲ 4.77	806.03	801.26	810.44	800.68

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
MARIN	100	96	1500	146	3	96
IKARUS	0.0	0.0	0	0	0	40.0
IPG	0.0	0.0	0	0	0	335
NAPESCO	0.0	0.0	0	0	0	780
ENERGYH	5.0	47.5	70,532	3,431	17	50
GPI	42.0	40.0	4,402,044	180,999	89	41.0
ARAR	98	98	1,000	98	2	98
Oil & Gas			4,475,070	184,674	111	792.50

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
KFOUC	180	180	50	9	1	180
DFCC	490	490	359,000	175,910	17	490
ALKOUT	0.0	0.0	0	0	0	650
ALQURAIN	200	194	170,710	33,544	19	196
Basic Materials			529,760	209,463	37	950.15

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
KCEM	375	375	12,050	4,510	1	375
REFRI	300	300	2,065	620	1	300
CABLE	395	380	21,320	8,210	9	395
SHIP	154	148	40,020	6,023	6	152
PCEM	940	940	500	470	1	940
PAPER	0.0	0.0	0	0	0	285
MRC	0.0	0.0	0	0	0	59
ACICO	300	285	23,512	6,834	9	295
GGMC	0.0	0.0	0	0	0	285
HCC	0.0	0.0	0	0	0	142
KBMMK	0.0	0.0	0	0	0	240
NICBM	204	204	10,035	2,047	1	204
EQUIPMENT	0.0	0.0	0	0	0	62
NCCI	0.0	0.0	0	0	0	12.5
GYSUM	0.0	0.0	0	0	0	102
SALBOOKH	67	63	279,939	18,226	55	67
AGLTY	485	475	265,501	127,326	17	475
EDU	0.0	0.0	0	0	0	190
CLEANING	40.5	40.5	1,000,000	40,500	3	40.5
KGL	47.0	44.5	34,422	1,570	13	44.5
KPCP	178	162	2,700	441	3	178
HUMANSOFT	1,460	1,420	6,020	8,748	4	1,420
NAFAIS	0.0	0.0	0	0	0	174
SAFWAN	0.0	0.0	0	0	0	305
GFC	37.5	36.5	2,531,754	92,409	38	36.5
MAYADEEN	26.0	24.5	4,676,768	118,104	65	25.0
CGC	70.0	68.0	40,110	27,578	7	70.0
MTCC	68	63	50,932	3,295	10	64
UPAC	0.0	0.0	0	0	0	690
ALFAFCO	208	202	11	2	2	208
MUBARRAD	61	60	40,984	2,479	4	60
LOGISTICS	0.0	0.0	0	0	0	79
GCEM	0.0	0.0	0	0	0	80
SCEN	73	73	185,000	13,505	6	73
QIC	0.0	0.0	0	0	0	69
FCEM	74	74	15,000	1,110	1	74
RKWC	88	88	23,427	2,062	4	88
SPEC	74	74	100	7	1	74
Industrials			9,262,170	486,085	261	1061.23

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
KSH	0.0	0.0	0	0	0	150
NSH	0.0	0.0	0	0	0	64
PAPCO	0.0	0.0	0	0	0	100
CATTL	194	192	19,730	3,799	6	194
DANAH	0.0	0.0	0	0	0	124
POULT	0.0	0.0	0	0	0	178
FOOD	2,480	2,460	616,883	1,528,870	99	2,480
Consumer Goods			636,613	1,532,669	105	1172.13

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
MHC	0.0	0.0	0	0	0	200
ATC	0.0	0.0	0	0	0	920
YIACO	0.0	0.0	0	0	0	210
Health Care						992.41
KCIN	0.0	0.0	0	0	0	1,700
KHOT	0.0	0.0	0	0	0	210
SULTAN	57	57	2,100	120	1	57
CABLETV	20.0	20.0	36	1	1	20.0
EYAS	0.0	0.0	0	0	0	385
IFAHR	0.0	0.0	0	0	0	198
OLUFAUEL	110	110	8,656	952	8	110
MUNTAZAHAT	84	84	78,170	6,566	1	84
JAZERA	910	880	996	877	2	910
SOOR	110	108	80,942	8,902	12	108
FUTUREKID	0.0	0.0	0	0	0	112
ALRAI	0.0	0.0	0	0	0	160
ZIMAH	43.5	41.5	4,428,110	189,316	90	43.5
UFIG	0.0	0.0	0	0	0	140
Mezzan	1,100	1,080	297,000	322,360	17	1,100
Consumer Services			4,896,012	529,093	132	991.71

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
ZAIN	340	335	3,221,586	1,095,089	33	335
OOREDOO	1,160	1,100	9,730	11,132	5	1,100
HITSTELEC	39.0	37.0	12,703,803	486,761	123	39.0
VIVA	940	930	21,840	20,465	32	930
Telecommunications			15,966,967	1,613,447	193	604.72

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
NBK	590	580	605,571	354,009	31	590
GBK	232	230	94,856	21,771	10	232
CBK	435	410	1,380	575	2	435
ABK	335	335	2	1	2	335
ALMUTAHED	395	390	21,780	8,486	8	395
KIB	184	182	905,101	164,729	25	182
BURG	325	320	533,110	170,620	19	320
KFIN	460	455	1,497,359	685,842	65	455
BOUBYAN	385	380	791,772	304,495	38	385
AUB	188	186	336,195	62,862	12	186
ITHMR	36.5	35.0	1,403,750	63,401	31	36.0
WARBARANK	170	168	641,280	107,884	38	168
Banks			6,921,916	1,935,425	281	790.44

Security	Trades					
	High	Low	Volume	Value (KD)	Trades	Last
KINS	0.0	0.0	0	0	0	290
GINS	0.0	0.0	0	0	0	670
AINS	0.0	0.0	0	0	0	465
WINS	102	102	171	17	1	102
KUWAITRE	0.0	0.0	0	0	0	190
FTI	0.0	0.0	0	0	0	50
WETHAQ	0.0	0.0	0	0	0	29.5
BKIKWT	0.0	0.0	0	0	0	355
Insurance			171	17	1	1007.77

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National Bank of Kuwait
Financial Markets
Daily Report
At 02:00 PM Previous Day

Index	Previous Close	Last Price	Change	Daily Performance %	Yearly Performance %
Dow Jones	18,011.07	17,400.75	-610.32	▼	-3.39
NASDAQ	4,910.04	4,707.98	-202.06	▼	-4.12
SP500	2,113.32	2,037.41	-75.91	▼	-3.59
Financial Times	6,138.69	6,014.07	-124.62	▼	-2.03
DAX	9,557.16	9,343.42	-213.74	▼	-2.24
CAC 40	4,106.73	4,021.71	-85.02	▼	-2.07
Swiss	7,747.18	7,631.32	-115.86	▼	-1.50
Nikkei 225	14,952.02	15,309.21	357.19	▲	2.39
Topix	1,204.48	1,225.76	21.28	▲	1.77
Hang Seng	20,259.13	20,227.30	-31.83	▼	-0.16
Straits Times	2,735.39	2,729.85	-5.54	▼	-0.20

Index	Previous Close	Last Price	Change	Daily Performance %	Yearly Performance %
Kuwait	5,347.92	5,366.14	18.22	▲	0.34
Saudi Arabia	6,478.60	6,465.60	-13.00	▼	-0.20
Dubai	3,258.17	3,285.76	27.59	▲	0.85
Abu Dhabi	4,416.68	4,434.23	17.55	▲	0.40
Bahrain	1,111.14	1,112.69	1.56	▲	0.14
Qatar	9,842.85	9,816.75	-26.10		