



SOUTH AFRICAN POULTRY ASSOCIATION
SUID-AFRIKAANSE PLUIMVEEVERENIGING
Founded 1904 / Gestig 1904

DISTRIBUTION OF CHICKENS IN SOUTH AFRICA

FOR THE SURVEILLANCE PERIOD:
July 2014 to December 2014
(2H 2014)

1 Estimated census of chickens in South Africa

From the models used by SAPA to determine the broiler and egg industries' potential production figures, it is estimated that, at the end of June 2014, the South African flock totalled 140 m (laying flock, broiler breeder stock and commercial broiler flock). Table 1 (below) gives an update of the estimates for the laying hen population at the end of December 2014. The census figures for the broiler population for 2H 2014 are currently being verified and will be available December 2015.

Table 1: Estimated census of laying birds in South Africa (December 2014)

Sector	Bird numbers	
Commercial layer GP	300 000*	*estimate
Layer replacement pullets	7 834 000	
Commercial layers	24 473 500	
Total Egg Industry	32 607 500	
TOTAL POULTRY INDUSTRY	Verification underway (broiler numbers)	

2 Provincial distribution of layer and broiler birds in South Africa

The provincial distribution of chicken farms, in terms of broilers and layers, is given in Table 2. These figures were recorded in the NAI survey, not modelled. 'Broiler birds' refers to broiler breeders, broiler day-old chicks and broilers in rearing. 'Layer birds' refers to layer breeders, day-old pullets, layers in rearing and layers in lay.

Table 2: Provincial distribution of chickens in South Africa

	BROILER INDUSTRY		EGG INDUSTRY		GRAND TOTAL	
	Broiler birds	% of total broiler birds	Layer birds	% of total layer birds	Total birds	% of total birds
Eastern Cape	7 041 453	5.9 %	888 564	3.7 %	7 930 017	5.6 %
Free State	6 067 200	5.1 %	3 699 777	15.4 %	9 736 977	6.8 %
Gauteng	8 744 332	7.4 %	5 892 511	24.7 %	14 636 843	10.3 %
KwaZulu-Natal	16 505 240	13.9 %	3 194 908	13.4 %	19 700 148	13.8 %
Limpopo	4 543 300	3.8 %	1 713 603	7.2 %	6 256 903	4.4 %
Mpumalanga	21 429 738	18.0 %	1 160 932	4.9 %	22 590 670	15.8 %
North West	27 858 969	23.5 %	2 461 222	10.3 %	30 320 191	21.3 %
Western Cape	26 474 884	22.3 %	4 830 665	20.2 %	31 305 549	21.9 %
Northern Cape	157 000	0.1 %	53 274	0.2 %	210 274	0.2 %
GRAND TOTAL	118 822 116	100%	23 865 456	100 %	142 687 572	100 %

Figure 1, below, gives the total number of chickens per province at 31 December 2014, as per Table 2. The Western Cape is home to largest number of birds with 22 % of the total, followed by the North West with 21 %. Only 0.1 % of the total number of broilers and layers are housed in the Northern Cape.

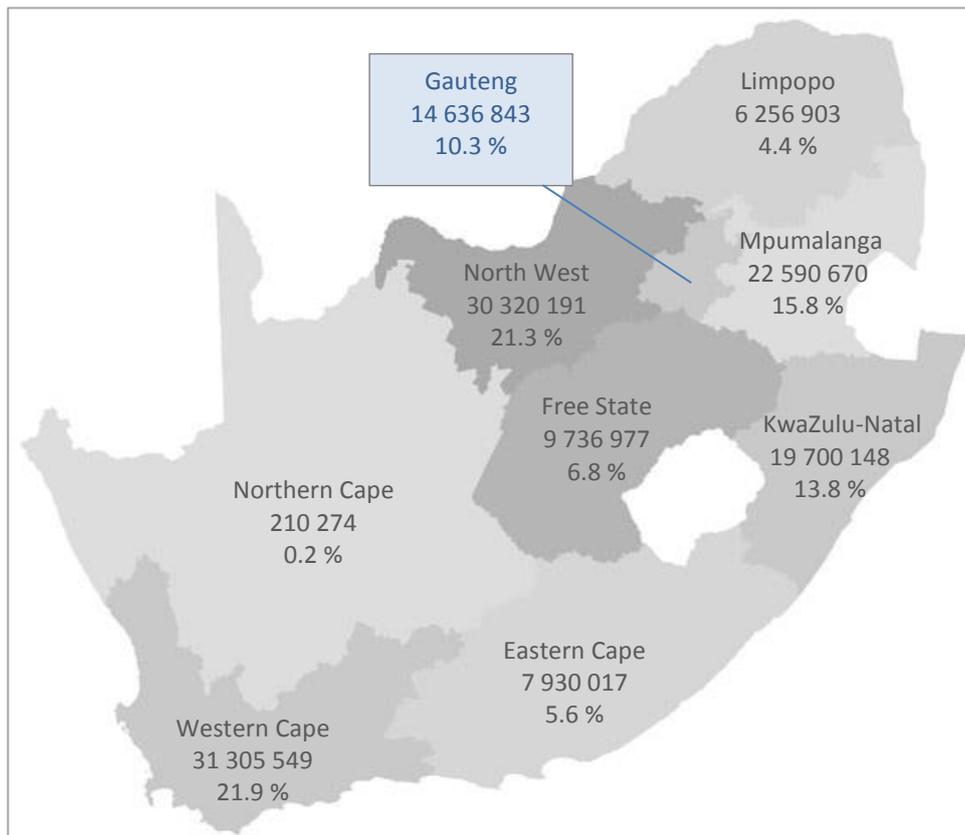


Figure 1: Provincial distribution of the national chicken flock in South Africa at December 2014; numbers per province and percentage of total flock.

The number of broiler birds (breeder stock, day old chicks and rearing birds) and layer birds (breeder stock, day-old pullets, layers in rearing and layers in lay) in each province is given in

Figure 2. In Gauteng and the Free State, the ratio of layers to broilers is 0.67 and 0.60, respectively. In other provinces, broiler production dominates, with the ratio of layers to broilers being 0.05 and 0.09 in Mpumalanga and the North West, respectively.

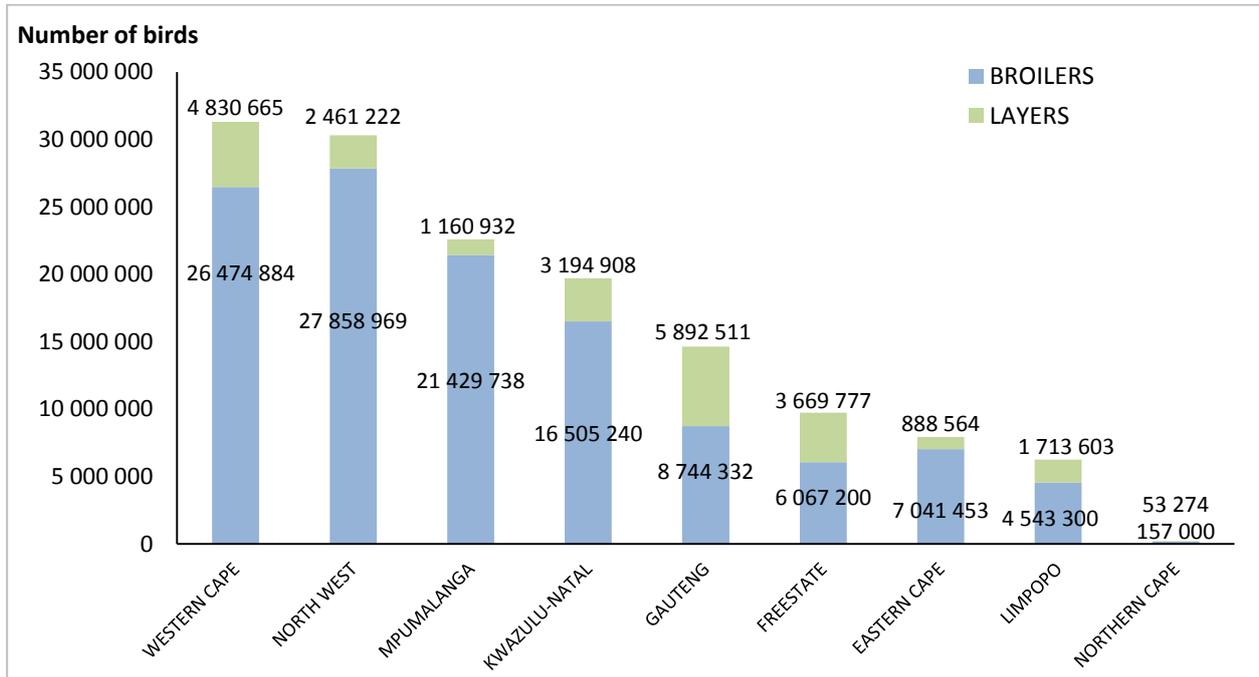


Figure 2: Provincial distribution of layer and broiler birds in South Africa in 1H 2014

The provincial distribution (%) of broiler chickens (breeders, day-old broilers and broilers) is given in Figure 3. Bird numbers are given in Table 2, above.

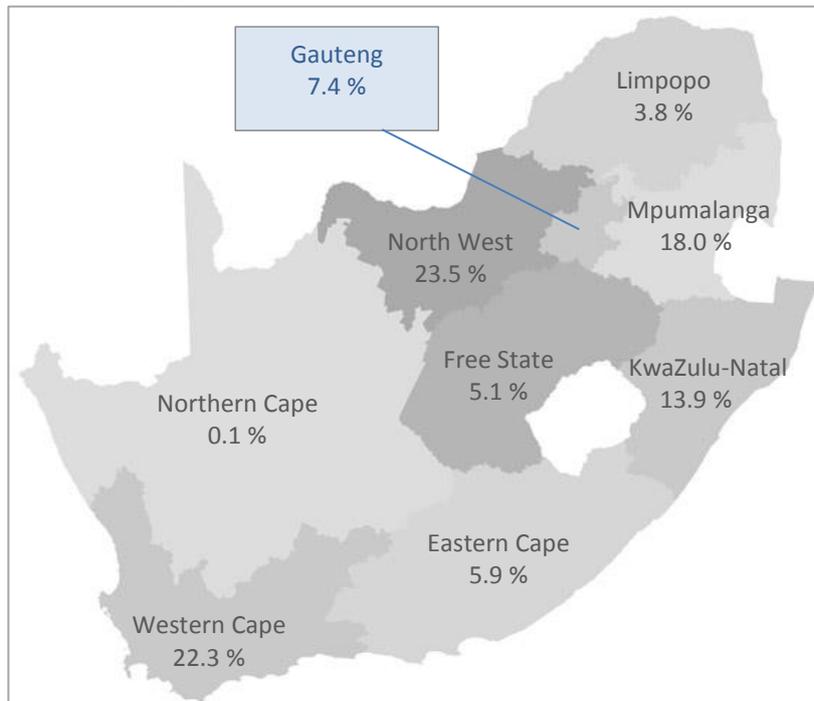


Figure 3: Provincial distribution of the national broiler flock in South Africa at December 2014; as percentage of total flock.

The provincial distribution (%) of layer birds (breeders, day-old pullets and laying hens) is given in Figure 4. Bird numbers are given in Table 2, above.

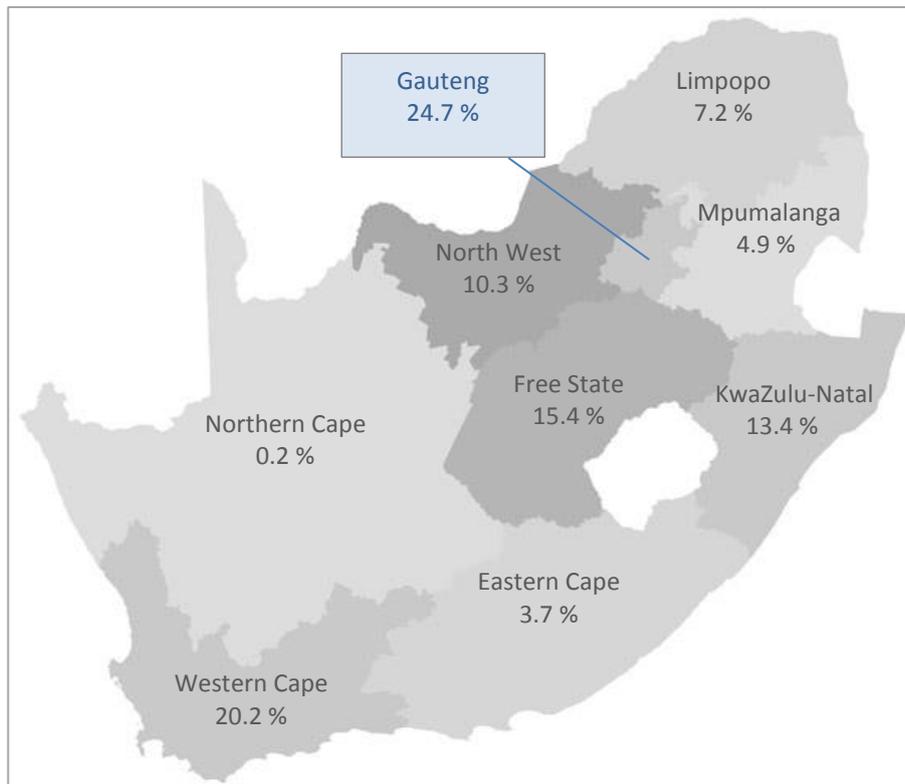


Figure 4: Provincial distribution of the national layer flock in South Africa at December 2014; as percentage of total flock.

3 The number, type and distribution of poultry farms in South Africa

The number of farms participating in the 2H 2014 NAI survey is given in Table 3.

Table 3: Number of farms participating in the survey

BROILER INDUSTRY	
Type of broiler farms	Number of farms
Broiler breeder farms	101
Broiler rearing farms	513
TOTAL	614
EGG INDUSTRY	
Type of layer farms	Number of farms
Layer breeder farms	17
Layer rearing farms	34
Layer farms (egg producing)	196
TOTAL	247
BROILER AND EGG INDUSTRIES	
GRAND TOTAL	861

For this surveillance period, the number of broiler and layer farms surveyed increased by 40 and 17 farms, respectively, over 1H 2014 levels. Figure 5 shows the nationwide distribution of poultry enterprises participating in the avian influenza survey, in terms of bird type (broiler or layers) and operation (breeder, rearing or laying).

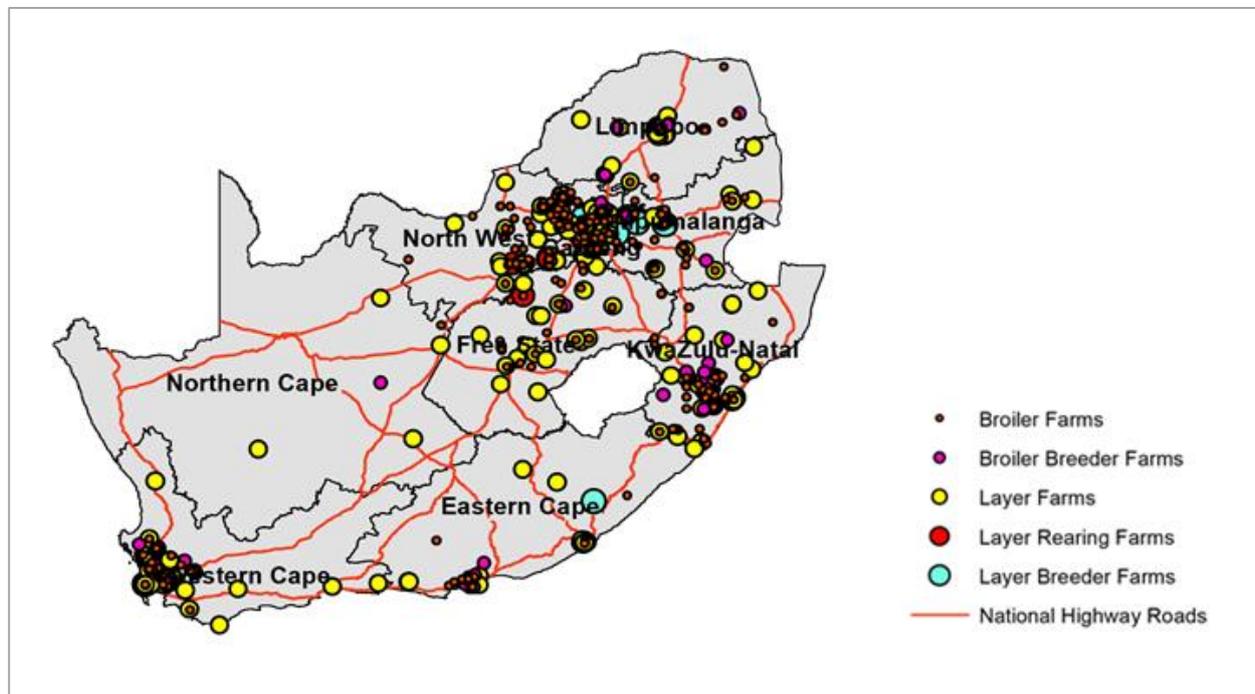


Figure 5: Distribution of poultry enterprises participating in the South African Avian Influenza Surveillance programme

4 Percentage representation of the NAI Surveillance monitor in terms of the South African poultry industry

At present, the number of broilers in the country is being recalculated by the statistical team. Updated figures will be available in the 1H 2015 NAI surveillance report. At the end of June 2014, the NAI survey covered approximately 99 % of the broilers in the country (109 329 313 birds, out of a census estimate of 110 043 200 birds). Table 4 gives the percentage representation for the egg industry in the 2H 2014 survey; estimated at 73 %.

Table 4: Percentage representation of NAI Survey

	NAI Surveillance Monitoring Survey	Census Estimate	% representation of NAI Survey
Unit:	Number of birds	Number of birds	%
EGG INDUSTRY	23 865 456	32 851 000	73 %