

## **EFFECT OF CELL-RATE™ ON WHITE CELL PRODUCTION UNDER DISEASE STRESS CONDITIONS**

Eight sows which had been exposed to porcine influenza and which had been fed a blank control diet (AF Specialist Sow Pellets) were blood tested.

White blood cell count before and after fed CELL-RATE™ for 99 days ( $10^3/\text{mm}^3$ )

	Before feeding CELL-RATE™	After feeding CELL-RATE™	SED
<b>Leucocytes</b>	<b>9.22</b>	<b>14.35**</b>	1.48
<b>Lymphocytes</b>	<b>3.72</b>	<b>7.63***</b>	0.73
Neutrophils	4.63	5.39	0.83
Eosinophils	0.59	1.04	0.56
Monocytes	0.16	0.26	

There was a significant increase in total leucocytes ( $P < 0.01$ ) in the sampling period 2. Of the individual cell types, a significant increase was seen in lymphocytes ( $P < 0.001$ ).

Beside the general usefulness of CELL-RATE™ in sow feed, there is an additional application, especially in the market segment where pig producers are looking to mitigate the effect in diseases such as P.R.R.S. and SMEDI.