

ECONOMIC LOSS IN FARROW-TO-FINISH OPERATING AFFECTED WITH PORCINE REPRODUCTIVE AND RESPIRATORY SYNDROME (PRRS) OF JAPAN

Ogawa T.¹, Hatakeyama H.²

Economic assessment of PRRS in swine farms was carried out on data of field outbreak survey for a period of one year. The data were collected from each swine category (suckling, weaning, fattening, sow and boar), and comparison on disease losses with PRRS was carried out to production costs per one fattening. As a result, the reduction rate to income caused by PRRS infection were distributed about 13% to 16% per one fattening, and paralleled with management scale of the farms.

MATERIALS AND METHODS

The field survey has been provided in three farms of farrow-to-finish operating affected with PRRS. Data analyses were carried out on incidence density (ID), case fatality and culling rate (CFCR), and indices of economic loss; individual loss (ILoss) and management loss (MLoss) in each swine category (Ogawa and Hatakeyama, 1996).

RESULTS AND DISCUSSION

Results of comparison on the disease losses was shown in Table I.

Table I
Comparison on the disease losses to production costs per one fattening

Division	Survey for production costs	Farm A	Farm B	Farm C
Sales per one fattening (¥)	30,654	- 230	- 311	- 277
Amounts of production costs (¥)	25,592	+ 589	+ 329	+ 489
Income (Sales - Amounts) (¥)	5,062	- 819	- 640	- 762
Reduction rate (%) to the income		- 16.18 %	- 14.39 %	- 12.64 %

The ILoss was in proportion to CFCR, but the MLoss in each swine category was almost correspondent to the ID. Moreover, the reduction rates to the income in production costs survey were paralleled with management scale to the farms (A > B > C).

REFERENCES

Ogawa, T., Hatakeyama, H., 1996. Methodological issues in economic assessment for swine diseases in Japan. *Proceeding of the 14th IPVS Congress, 494, Bologna, Italy.*

¹ Kyushu Research Station, National Institute of Animal Health, 2702, Chuzan, Kagoshima, 891-01 Japan

² Central Association of Livestock Industry, 1-26-5, Toranomon, Minato, Tokyo, 105 Japan