Errata

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In the Letter to the Editor entitled "Selection Pressures and Plant Pathogens: Robustness of the Model," which begins on page 175, corrections are as follows:

page 175, column 1, last paragraph

This letter has two purposes: First, in contrast to the claims of both Sedcole (6) and Leonard and Czochor (5), it shows that Leonard's (4) model is not necessarily locally unstable.

page 175, column 2, equation 1:

$$n_{i+1} = \frac{n_i[1 - k + (1 - q^2)\,a]}{1 - (1 - q^2)\,t + n_i[(1 - q^2)\,(a + t) - k]} \qquad (1)$$

page 176, column 1, equation 6:

$$\left.\frac{\partial g}{\partial q_i}\right|_{eq} = \frac{-2q^*n^*(1-n^*)(a+t)}{1-(1-q^{*2})t} = -x_{12}\text{, say} \qquad (6)$$

$$\cdots$$

$$= \left.\frac{\partial f}{\partial n_i}\right|_{eq} \times \left(\left.\frac{\partial g}{\partial n_i}\right|_{eq}\right)^{-1} \times \left.\frac{\partial g}{\partial q_i}\right|_{eq} + \left.\left(\frac{\partial f}{\partial q_i}\right)_g\right|_{eq}$$

page 176, column 1, paragraph 2:

When $x_{12}x_{21} < 0$ or $x_{12}x_{21} > 4, |\lambda| > 1$ so the nontrivial equilibrium

page 176, column 1, paragraph 4:

no evidence to support his choice of values ($0.05 \leqslant s \leqslant 0.8$). In fact,

page 177, column 1, equation 7:

in which $D = \ln\dfrac{1 - s(1-k)}{1-c-s(1-k+a)} > 0$, and $H = \ln\dfrac{1-s}{1-c-s(1-t)} < 0$

In common with the models of Leonard and Sedcole, Eq. 7

page 177, column 1, paragraph 5:

The nontrivial equilibrium of Eq. 7 is:

$$(n^*, q^*) = \left(H/(H\text{-}D), \sqrt{A/(A-B)}\right) \qquad (8)$$

page 177, column 2, paragraph 1:

the stability behavior of the nontrivial equilibrium is uncertain.

The direct method of Liapunov is a powerful mathematical means of extending the stability analysis beyond the immediate vicinity of (n^*, q^*).

page 177, column 2, paragraph 4:

The local stability analysis suggests neutral stability (3). Neutral stability exists globally (Fig. 1D) if

$$\dot{V}(n,q) = \frac{f_n(n)}{g_n(n)}\frac{dn}{dt} + \frac{f_q(q)}{g_q(q)}\frac{dq}{dt}$$

page 177, column 2, end of paragraph 4:

Equation 9 before integrating,