

Summary of Fit

RSquare	0.601345
RSquare Adj	0.534903
Root Mean Square Error	12.82067
Mean of Response	98.46667
Observations (or Sum Wgts)	15

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	2	2975.2969	1487.65	9.0506
Error	12	1972.4365	164.37	Prob > F
C. Total	14	4947.7333		0.0040*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t	VIF
Intercept	161.16616	16.65267	9.68	<.0001*	.
kmN	-0.108413	0.034379	-3.15	0.0083*	1.8480812
kmE	-0.279814	0.066039	-4.24	0.0012*	1.8480812

Summary of Fit

RSquare	0.778
RSquare Adj	0.667
Root Mean Square Error	7.370
Mean of Response	61.944
Observations (or Sum Wgts)	16.000

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	5	1903.6867	380.737	7.0100
Error	10	543.1375	54.314	Prob > F
C. Total	15	2446.8242		0.0047*

Parameter Estimates

Term	Estimate	Std Error	Prob> t	VIF
Intercept	84.529944	13.70174	0.0001*	.
kmN	-0.072700	0.02191	0.0078*	2.27
kmE	-0.169282	0.04272	0.0027*	2.35
SumDD5C	0.017406	0.00933	0.0916	1.37
(kmN-328.59)*(SumDD5C-973.205)	0.000266	0.00012	0.0499*	2.74
(kmE-97.4754)*(SumDD5C-973.205)	0.000428	0.00020	0.0540	2.61

Table 4. Effects of latitude, longitude and degree-days on the timing of the reproductive phenostage for medusahead as represented by the inflection point in the curves modeled in Figure 6.