Study on the regularities of lead distribution in paddy soil beside Road Yanji-Longjing Liang Yunjiang Xu Guangbo Yang Dan Li Yanru Liu Wenli. Agricultural College of Yanbian University Longjing Jinlin 133400 Abstract The regularities of lead distribution in paddy soil beside Road Yanji-Longjing were studied, the results showed that the most serious lead pollution of west paddy soil was about 4.5 m,9 m,38 m and 62 m from the road. Through analyzing the mathematical model , the peak of lead content was about 41.9 m. The most serious lead pollution of east paddy soil was about 15 m, 25 m, 62 m and 100 m.Through analyzing the mathematical model , the peak of lead content was about 23.7 m, and the secondary peak was about 70.3 m.. Keyword Highway Soil Lead Regularities of distribution