Phenol – Another Cockchafer Attractant Shared by *Melolontha hippocastani*Fabr. and *M. melolontha* L. Joachim Ruther^{a*}, Andreas Reinecke^a, Till Tolasch^b, and Monika Hilker^a

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cussed.

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The response of the two most abundant cockchafer species in central Europe, *Melolontha hippocastani* and *M. melolontha*, towards phenol, mixtures of phenol with the leaf alcohol (*Z*)-3-hexen-1-ol and the known cockchafer pheromones, 1,4-benzoquinone (*M. hippocastani*) and toluquinone (*M. melolontha*), was investigated in the field. During the swarming period at dusk, phenol attracted males of both species, and enhanced the known attraction of cockchafer males towards (*Z*)-3-hexen-1-ol. A mixture of phenol plus (*Z*)-3-hexen-1-ol was less attractive for *M. hippocastani* males than a mixture of (*Z*)-3-hexen-1-ol plus 1,4-benzoquinone, whereas phenol plus (*Z*)-3-hexen-1-ol attracted as many *M. melolontha* males as a mixture of (*Z*)-3-hexen-1-ol, and the respective benzoquinone did not capture more males than two component mixtures consisting of only (*Z*)-3-hexen-1-ol and the benzoquinone. A possible role of phenol as another cockchafer sex pheromone component is dis-