
Hedging Against Extinction Populations And Migrations

time-dependent fitness effects can drive bet-hedging ... - 1 time-dependent fitness effects can drive bet-hedging 2 populations extinct eric libby1* and william ratcli 2 1 santa fe institute ... while hedging against rare 30 events may require long time periods [11]. environmental change, however, will only 31 ... we examine the consequences of coupling and extinction, introduced through 79 a carrying ... **hedging against extinction populations and migrations pdf ...** - hedging a bet against extinction: the use of shears ex ... - hedging a bet against extinction: the use of shears in ex-situ conservation rob nicholson smith college botanic garden, northampton, m.4, 01063, usa ... taken from five populations in order to capture an adequate representation of a taxon's **bet-hedging against demographic fluctuations - arxiv** - bet-hedging against demographic fluctuations ... ent bet-hedging strategies against demographic and environmental variations as a general means of ... less studied is the extinction risk of local populations. if all individuals in a population happen to die before pro- **hedging a bet against extinction: the use of shears ex ...** - hedging a bet against extinction: the use of shears in ex-situ conservation rob nicholson smith college botanic garden, northampton, m.4, 01063, usa ... taken from five populations in order to capture an adequate representation of a taxon's alleles (falk and holsinger, 1991). ... however the hedging technique might now serve the cause of ... **stochasticity in the genotype-phenotype map: implications ...** - bet{hedging { why does phenotypic hedging exist in environments beneficial to only one of the phenotypes, when selection necessarily acts against it? the structure of the molecular switch, itself subject to selection, can slow the loss of hedging to ensure a survival mechanism even against environmental catastrophes which are very rare. **persistent seed banking as eco-evolutionary determinant of ...** - seed banks decrease the population extinction rate 726 iii. seed banks define the effective population size 727 ... long-term persistent seed banking is a common temporal bet-hedging strategy in plants to ... long persistent seed banks therefore protect populations against extinction (brown & kodric-brown, 1977), and therefore delay ... **increased extinction potential of insular fish populations ...** - increased extinction potential of insular fish populations ... may be considered a bet-hedging trait, an adaptation to unpredictable, though frequent, environmental variance in the ... populations of tidewater goby against adverse impacts (high mortality) resulting from these events. further, (3) we assessed the **optimizing phage I survival in a changing environment ...** - evidence that isogenic phage populations contain a residual fraction of low attachment rate phages, which provides a mechanism of bet hedging against extinction [10]. our aim is to develop a theoretical understanding of the intermediate, optimal adsorption rate for phage I, which infects escherichia coli bacteria, assuming that it is fa- **dormancy-related seed positional effect in two populations ...** - dormancy-related seed positional effect in two ... dormancy-related seed positional effect in two populations of an annual grass from locations of contrasting aridity. ... i.e. bet-hedging against ... **reading 5.2-population bottlenecks and founder effects** - reading 5.2 - population bottlenecks and founder effects genetic drift; ... the population could face complete extinction. on the other hand, a population with high levels of ... infanticide against a female's cubs, not because it increased the litter's genetic variation. this third **secondary extinctions of biodiversity - cell** - affecting secondary extinction likelihood, incorporating mechanisms that buffer organisms against ... of local populations. we also discuss cases in which ... interactions exhibit such bet-hedging mechanisms remains an important question. **fertility and analogy in pacific palaeodemography** - populations is one way to achieve an improved understanding of the dynamics ... of contact and reciprocity are important in reducing risks of extinction in micro ... intensification, and further colonization, while hedging against the stochastic risk of extinction (black 1978; mcarthur et al. 1976). but this growth need not **bet -hedging applications for conservation - springer** - bet -hedging applications for conservation m ark s b oyce *, ... growth, and then address hedging extinction risks. 2. minimizing variance in population growth rates ... joint probability that all of q populations go to extinction over the 100 -yr period. for populations that are nearby to each other, or that **special submission from the winner of the 4 denzaburo ...** - female multiple mating as a genetic bet-hedging strategy ... hedging effectively works only in small populations, and computer simulations were used to confirm ... extinction across the generations.

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