

**Kommunale Starkregenvorsorge in Niedersachsen**

Praxisleitfaden für Städte und Gemeinden

**Digitale Anlage LF-DA\_10**

**Starkregenindextabelle-Vorlage**

Herausgegeben von:

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Stand: 09.09.2025

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Starkregenindex für** | **Stadt/Gemeinde** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **aus Kostra-DWD-2020-Daten,** | | **Rasterfeld: Spalte x, Zeile y, Ortsname** | | | | |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Berechnung mittels einheitlicher ortsbezogener Starkregenindex-Methodik nach: Schmitt, T.G., Krüger, M., Pfister, A. Becker, M., Mudersbach, C., Fuchs, L., Hoppe, H., Lakes, I. (2018): | | | | | | | | | | | | | | | | |  |  |
| "Einheitliches Konzept zur Bewertung von Starkregenereignissen mittels Starkregenindex" (2018), in: KW Korrespondenz Wasserwirtschaft Heft 2/2018, S. 82-88 | | | | | | | | | | | | | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Wiederkehrzeit Tn (a)** | **1 a** | **2 a** | **3 a** | **5 a** | **10 a** | **20 a** | **30 a** | **50 a** | **100 a** | **> 100 a** | | | | | | | | |
|  | **Starkregen (SR)** | | | | **intensiver SR** | | | **außergewöhnl. SR** | | **extremer Starkregen** | | | | | | | | |
| **Starkregenindex SRI [-]** | **1** | **1** | **2** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | | **9** | | **10** | | **11** | | **12** |
| **Extrapolationsfaktor** |  |  |  |  |  |  |  |  | **1,00** | **1,20 - 1,39** | | **1,40 - 1,59** | | **1,60 - 2,19** | | **2,20 - 2,79** | | **≥ 2,80** |
| Dauerstufe D | **Niederschlagshöhe hN [mm] je Wiederkehrintervall T [a] 1** | | | | | | | | | **Niederschlagshöhe hN [mm] ²** | | | | | | | | |
| 1 a | 2 a | 3 a | 5 a | 10 a | 20 a | 30 a | 50 a | 100 a | > 100 a | | | | | | | | |
| 5 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 45 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 60 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 90 min |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 48 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 72 h |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 d |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 d |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 d |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 d\* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1: aus Originaldaten |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ²: rechnerisch, aus Wert (100a) · Faktor | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \*: die Dauerstufe D= 7d wurde erst mit der Veröffentlichung der Kostra Daten 2020 ab 1.1.2023 eingeführt. | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |
| Sie ist in der Beschreibung des vereinheitlichten Verfahrens zur Bestimmung des SRI (2018) noch nicht enthalten, sondern wird hier sinngemäß ergänzt. | | | | | | | | | | |  |  |  |  |  |  |  |  |